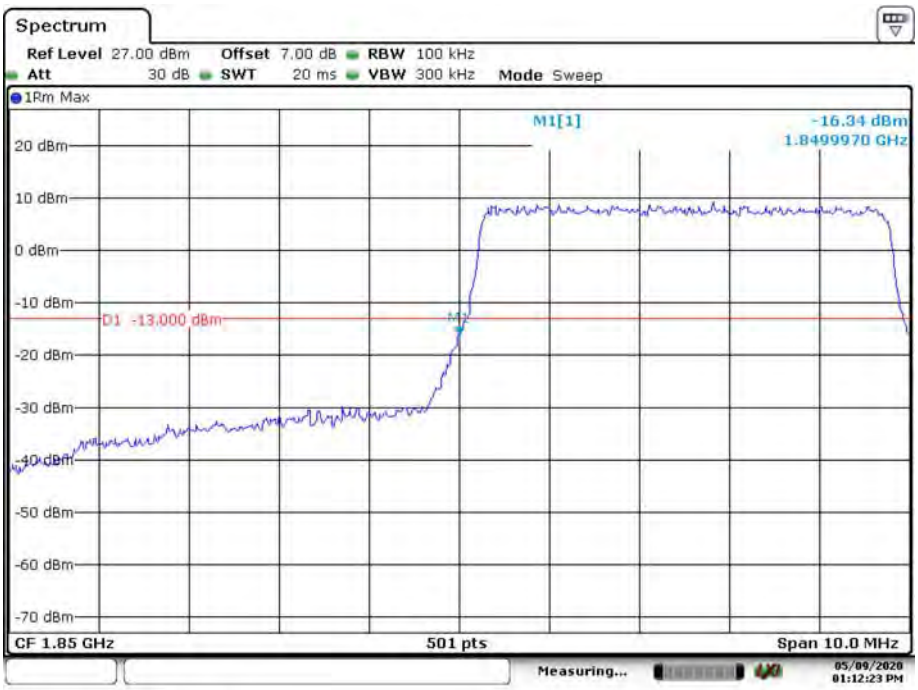
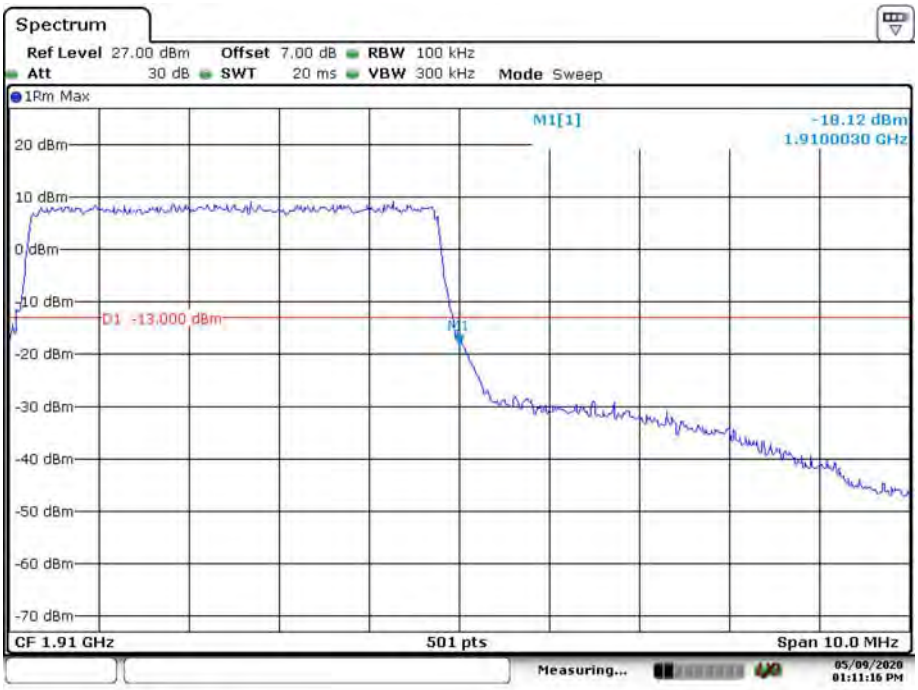
QPSK_5MHz_ 25 RB_ Left



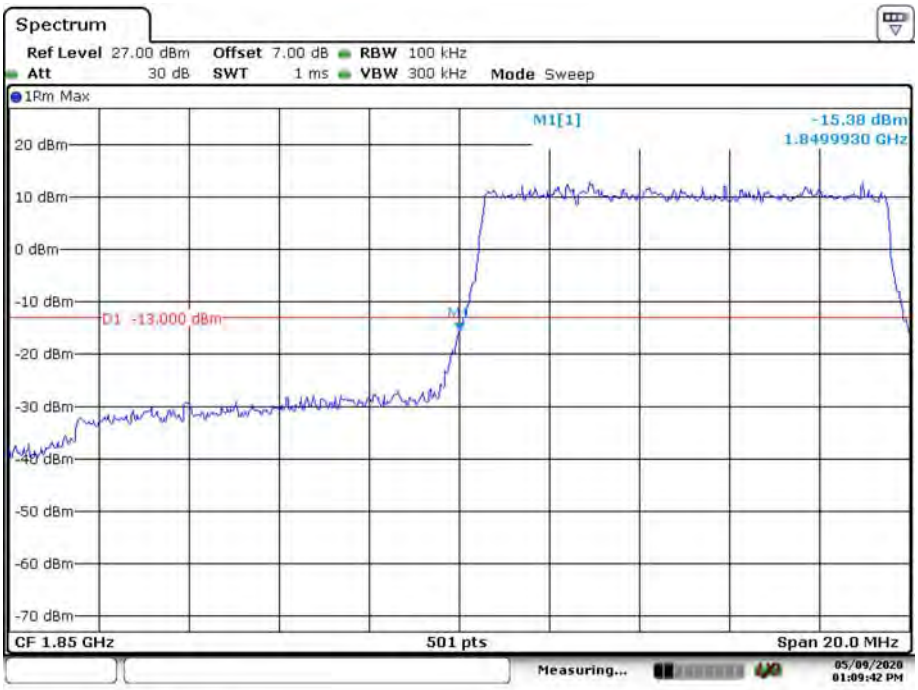
Date: 9.MAY.2020 13:12:24

QPSK_5MHz_ 25 RB_ Right



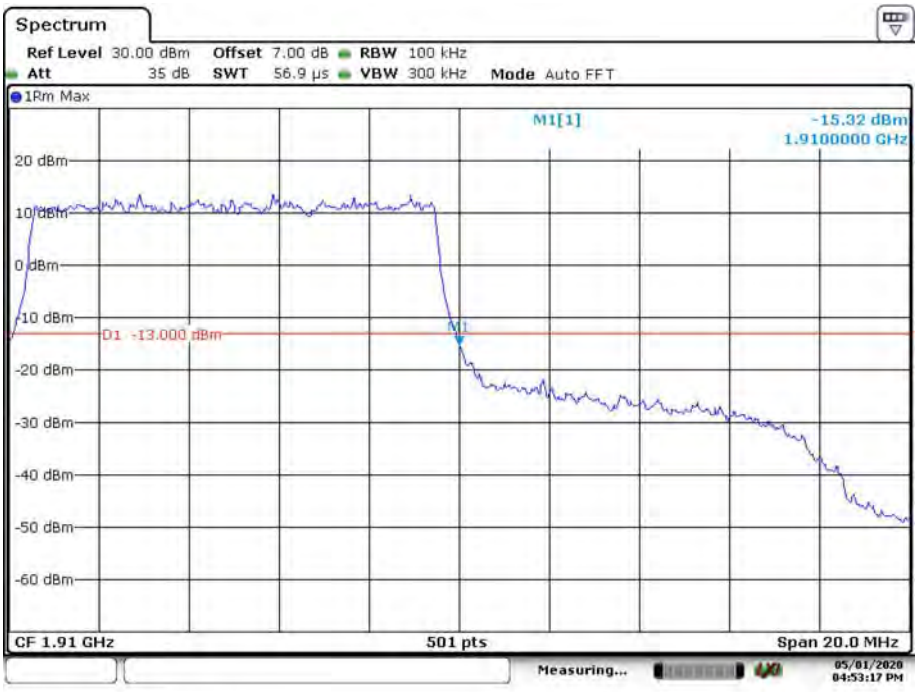
Date: 9.MAY.2020 13:11:16

QPSK_10MHz_ 50 RB_ Left



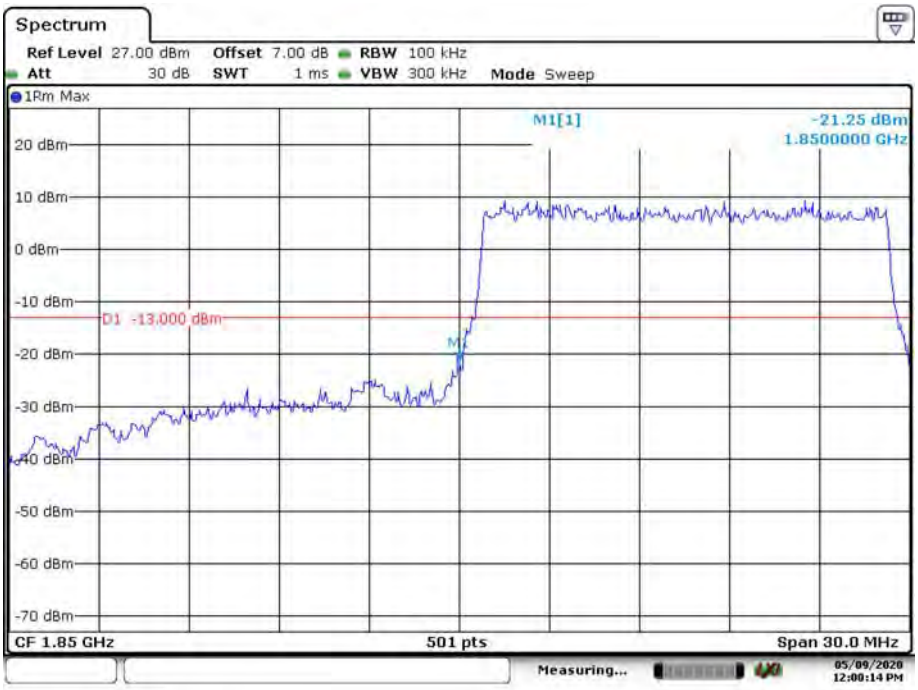
Date: 9.MAY.2020 13:09:43

QPSK_10MHz_ 50 RB_ Right



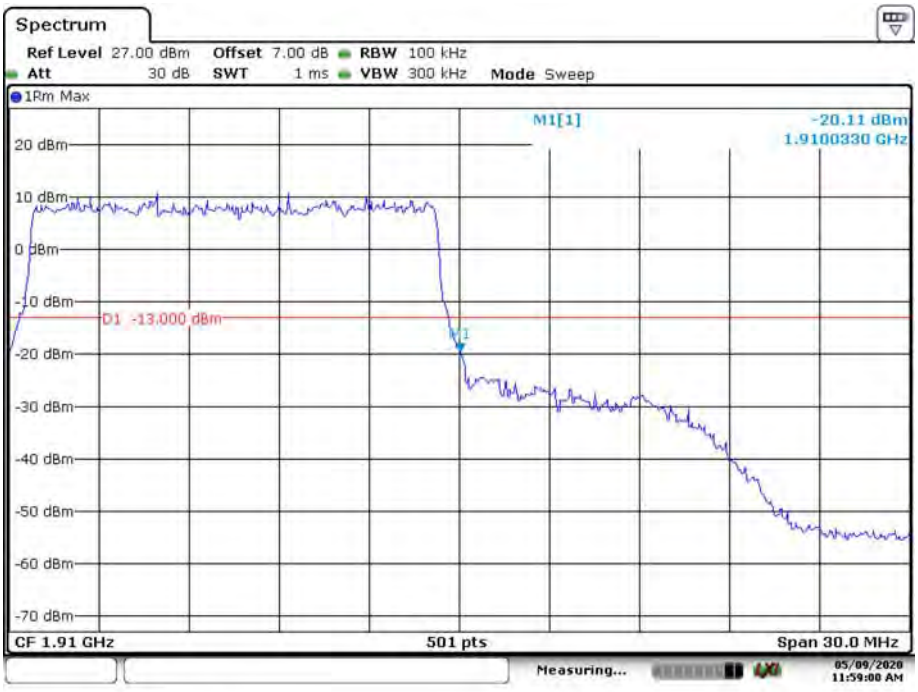
Date: 1.MAY.2020 16:53:17

QPSK_15MHz_ 75 RB_ Left



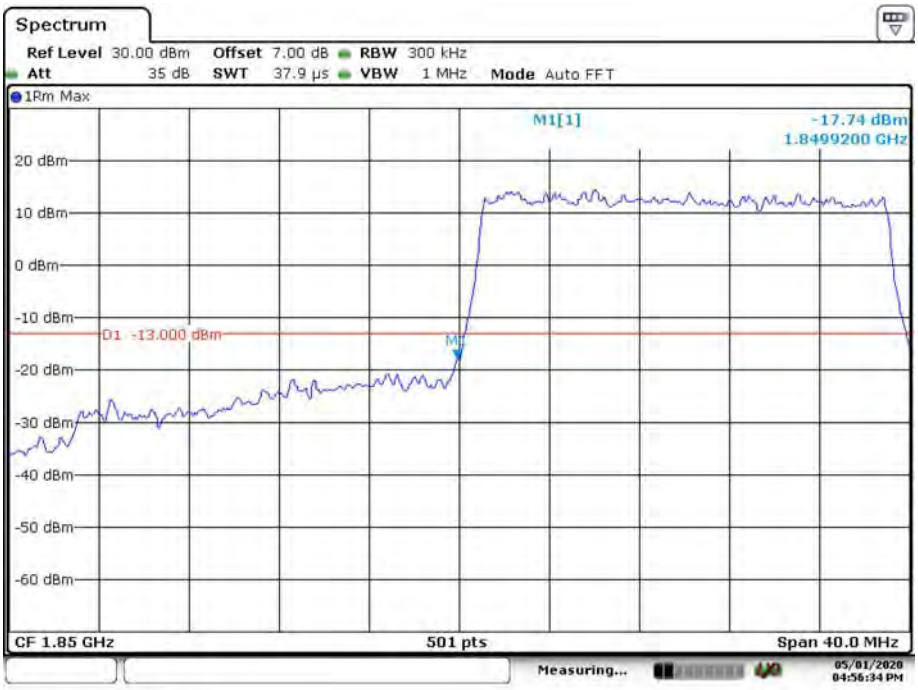
Date: 9.MAY.2020 12:00:14

QPSK_15MHz_ 75 RB_ Right



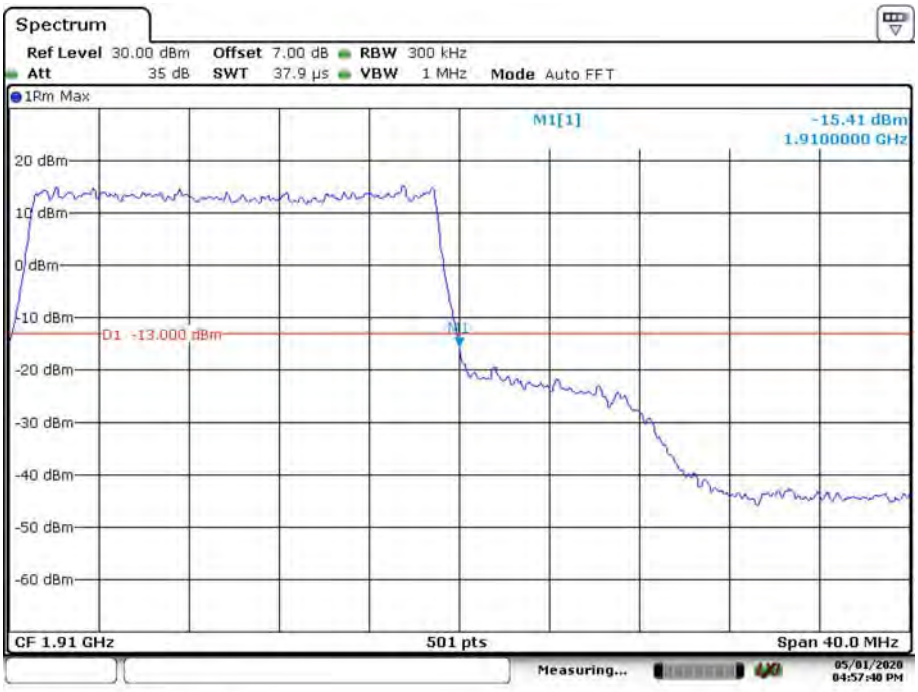
Date: 9.MAY.2020 11:59:00

QPSK_20MHz_ FULL RB_ Left



Date: 1.MAY.2020 16:56:34

QPSK_20MHz_ FULL RB_ Right

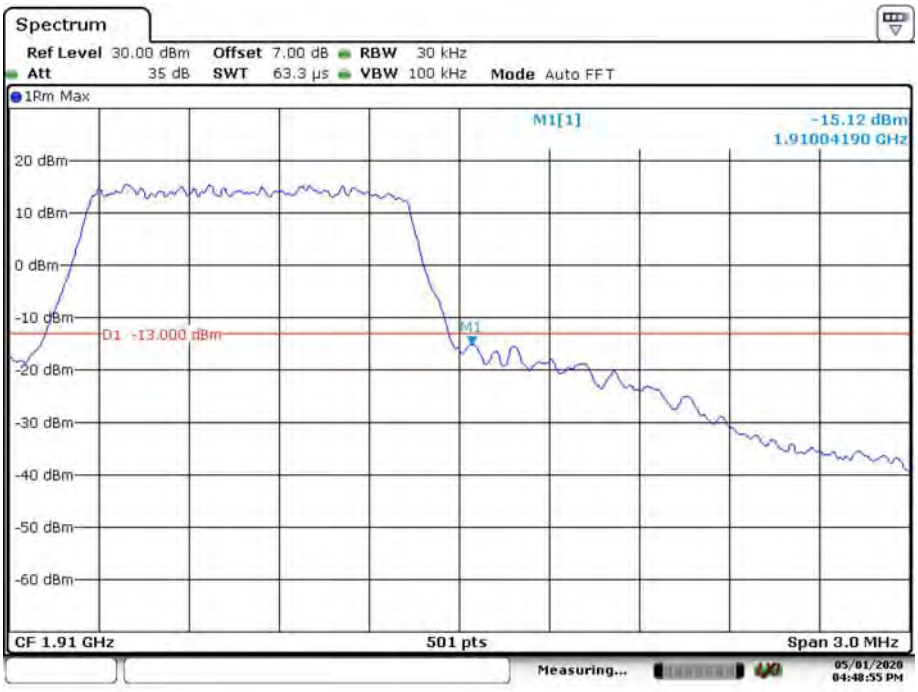


Date: 1.MAY.2020 16:57:40

16QAM_1.4MHz_ 6 RB_ Left

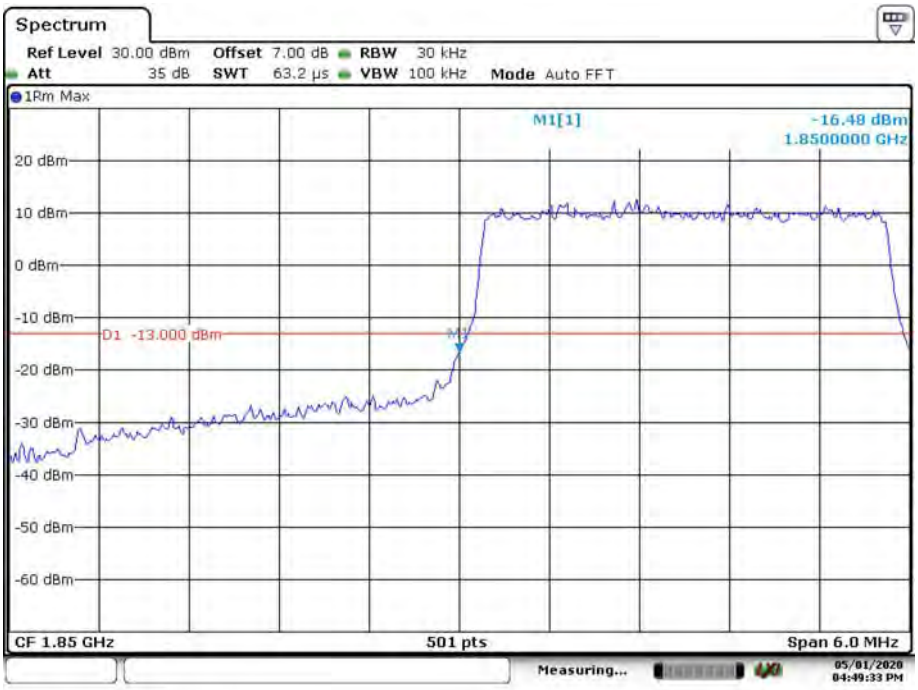
Date: 1.MAY.2020 16:48:14

16QAM_1.4MHz_ 6 RB_ Right



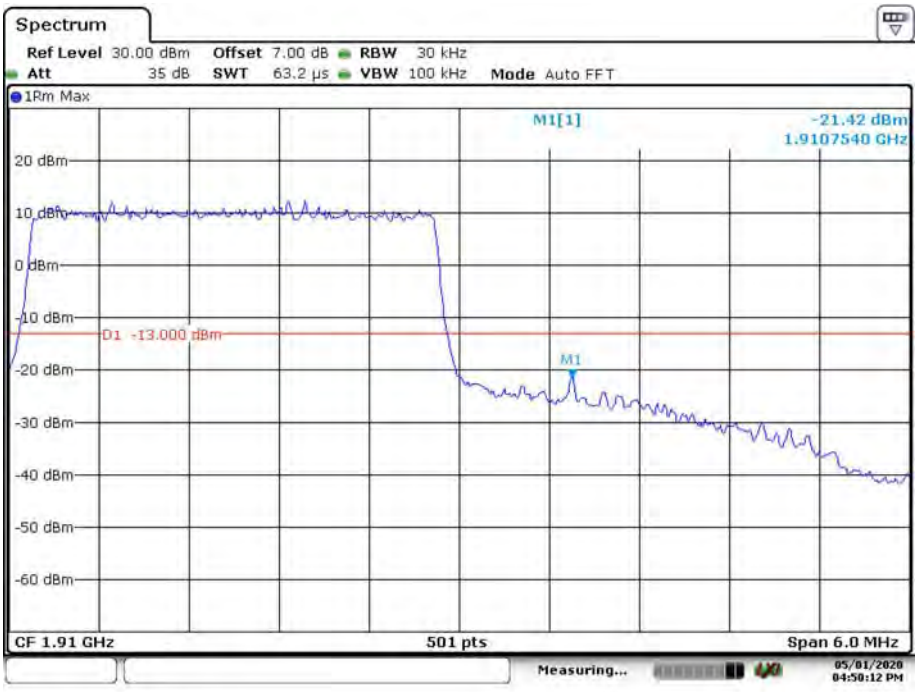
Date: 1.MAY.2020 16:48:55

16QAM_3MHz_ 15 RB_ Left



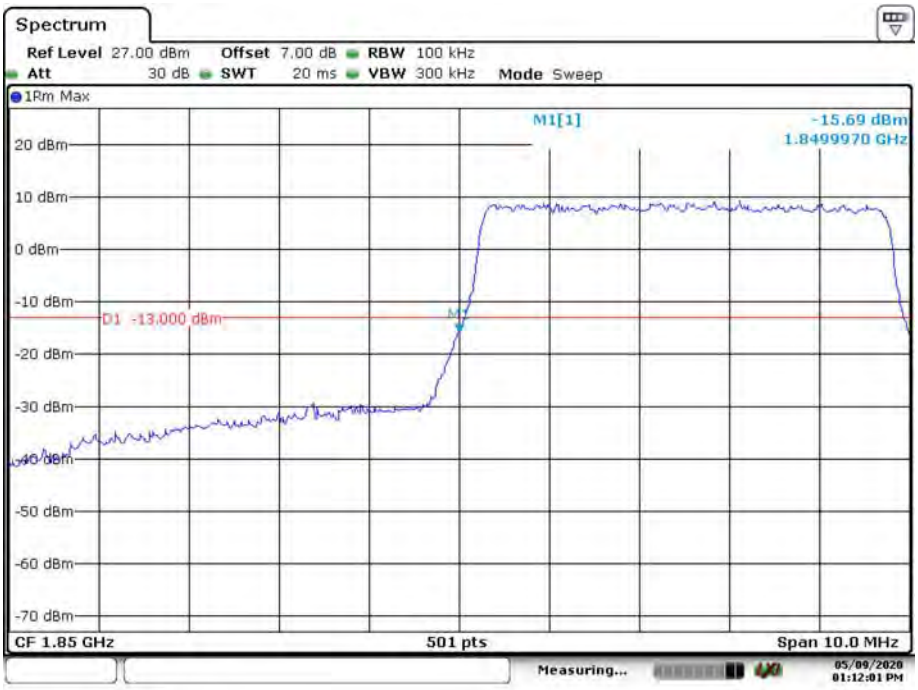
Date: 1.MAY.2020 16:49:33

16QAM_3MHz_ 15 RB_ Right



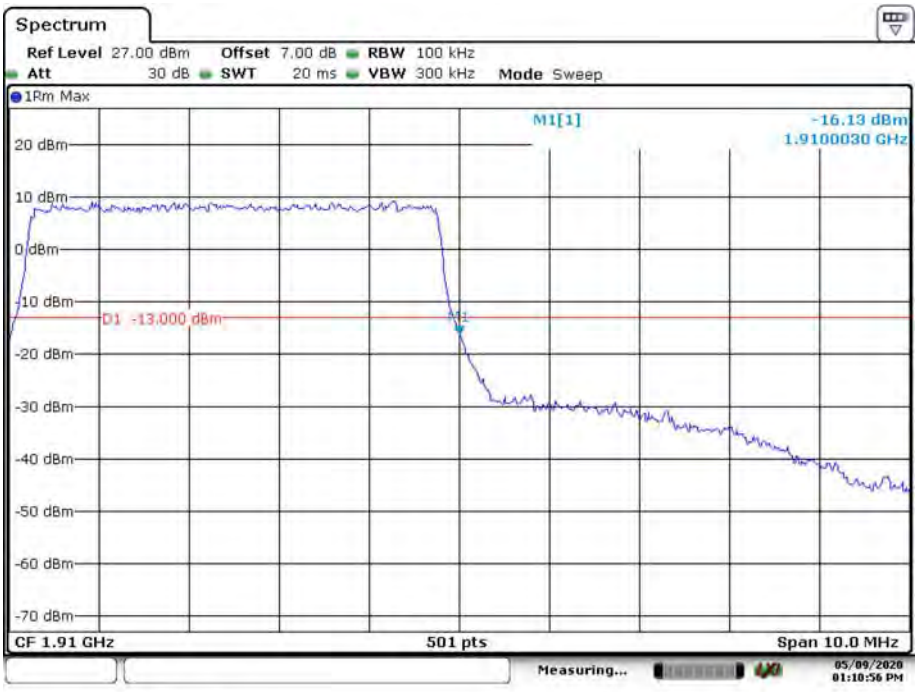
Date: 1.MAY.2020 16:50:12

16QAM_5MHz_ 25 RB_ Left



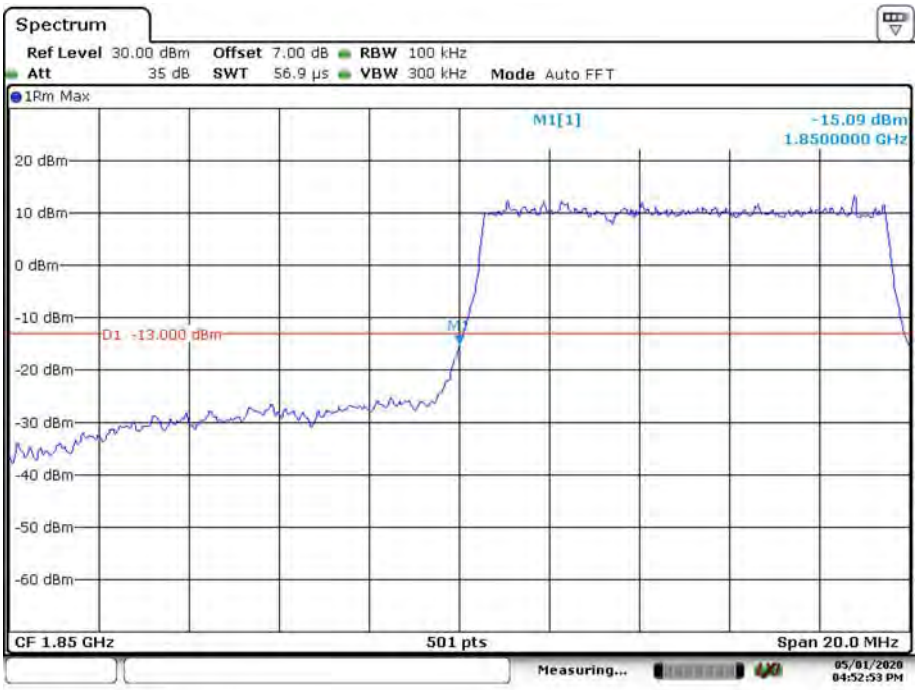
Date: 9.MAY.2020 13:12:01

16QAM_5MHz_ 25 RB_ Right



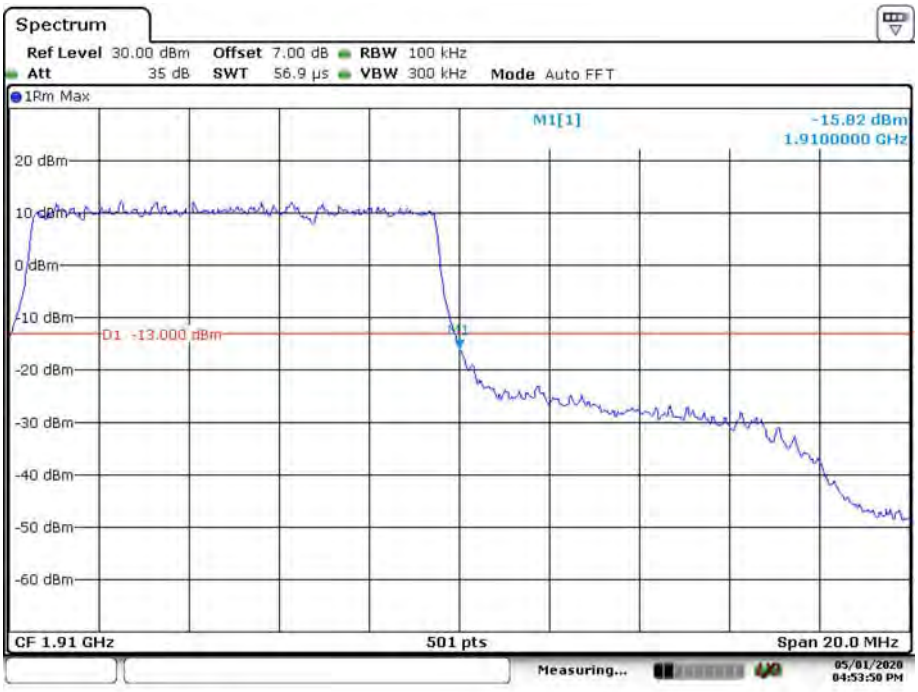
Date: 9.MAY.2020 13:10:56

16QAM_10MHz_ 50 RB_ Left



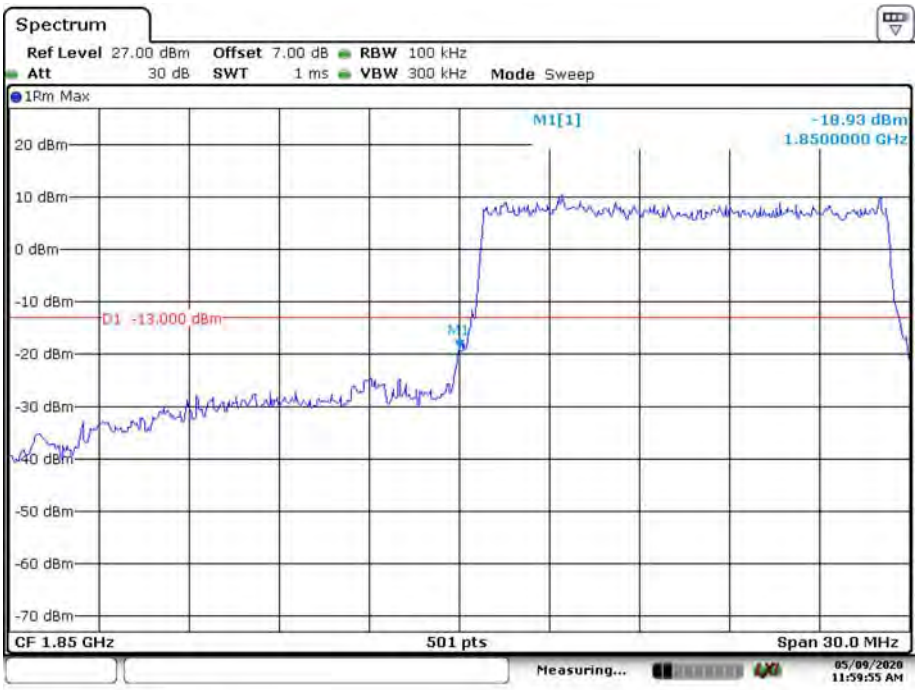
Date: 1.MAY.2020 16:52:53

16QAM_10MHz_ 50 RB_ Right



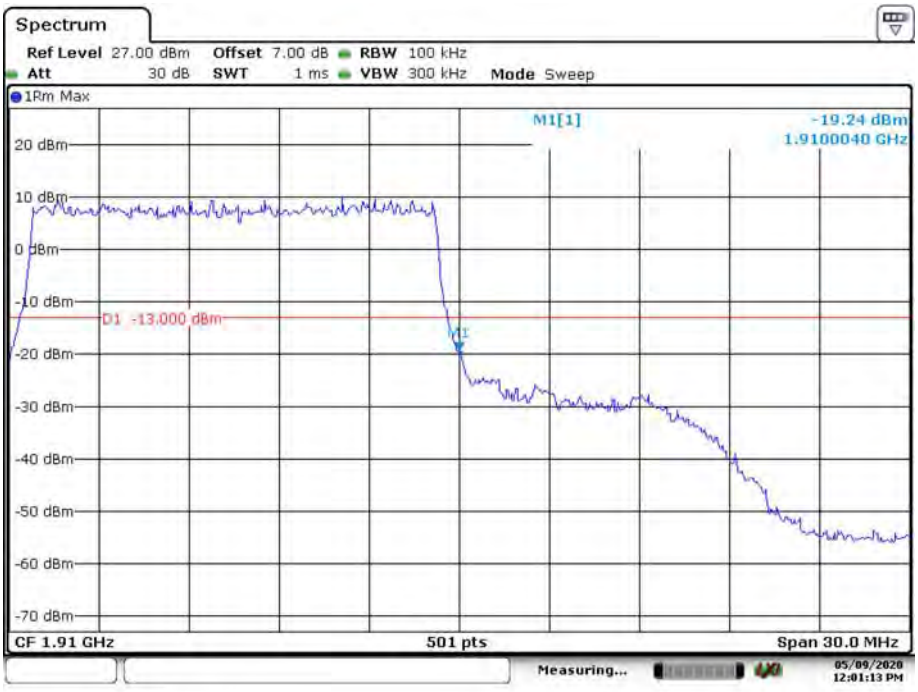
Date: 1.MAY.2020 16:53:50

16QAM_15MHz_ 75 RB_ Left



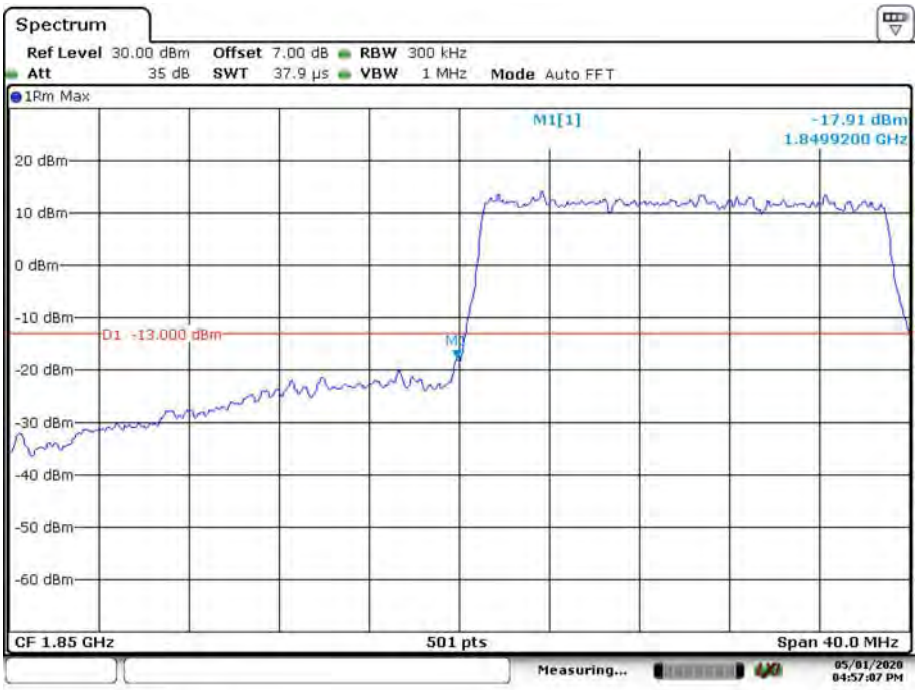
Date: 9.MAY.2020 11:59:55

16QAM_15MHz_ 75 RB_ Right



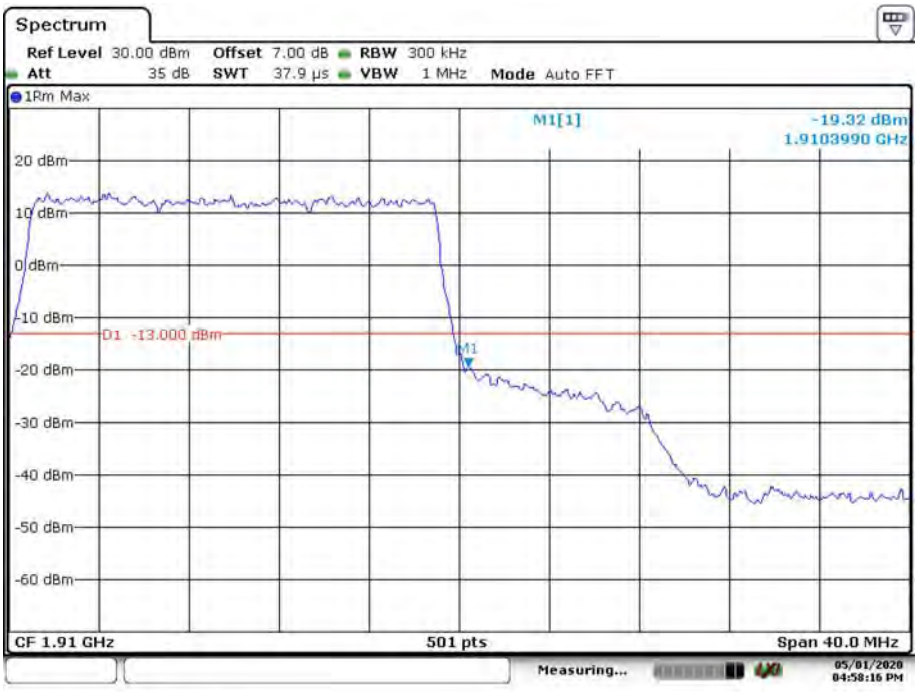
Date: 9.MAY.2020 12:01:13

16QAM_20MHz_ FULL RB_ Left



Date: 1.MAY.2020 16:57:07

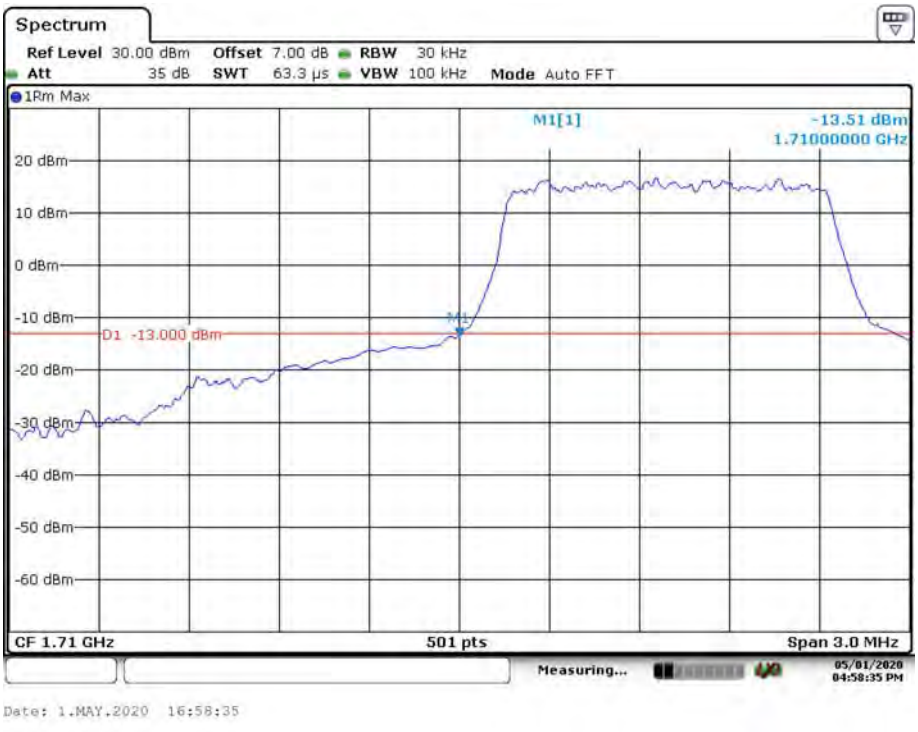
16QAM_20MHz_ FULL RB_ Right



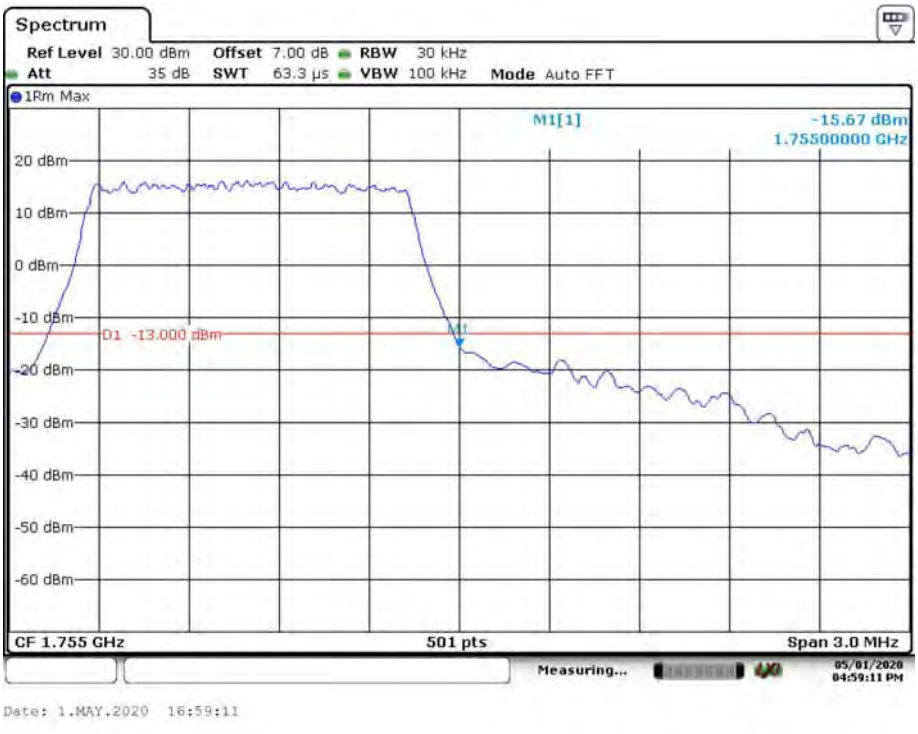
Date: 1.MAY.2020 16:58:16

LTE Band 4

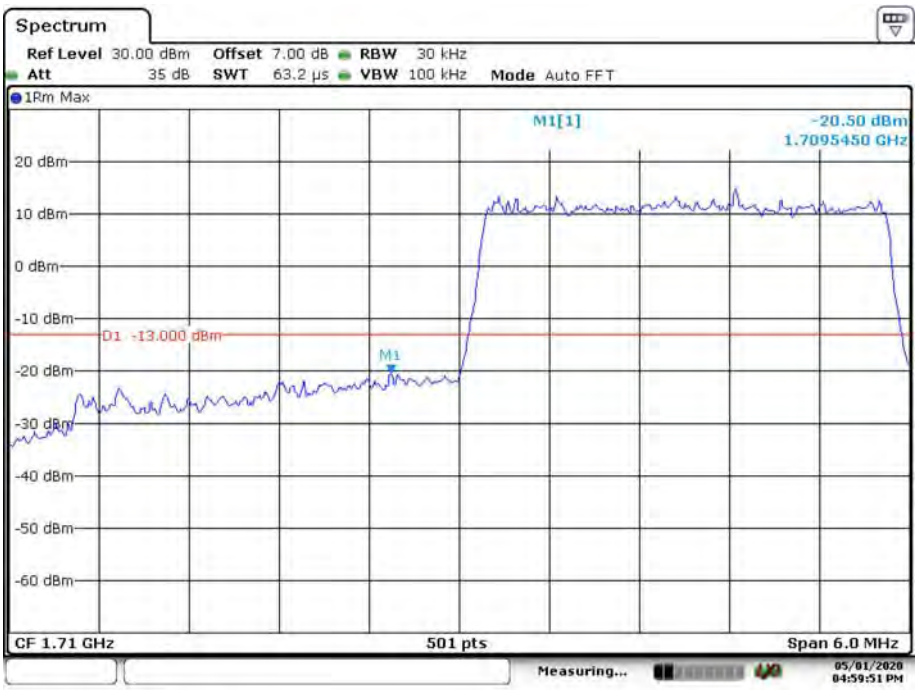
QPSK_1.4MHz_ 6 RB_ Left



QPSK_1.4MHz_ 6 RB_ Right

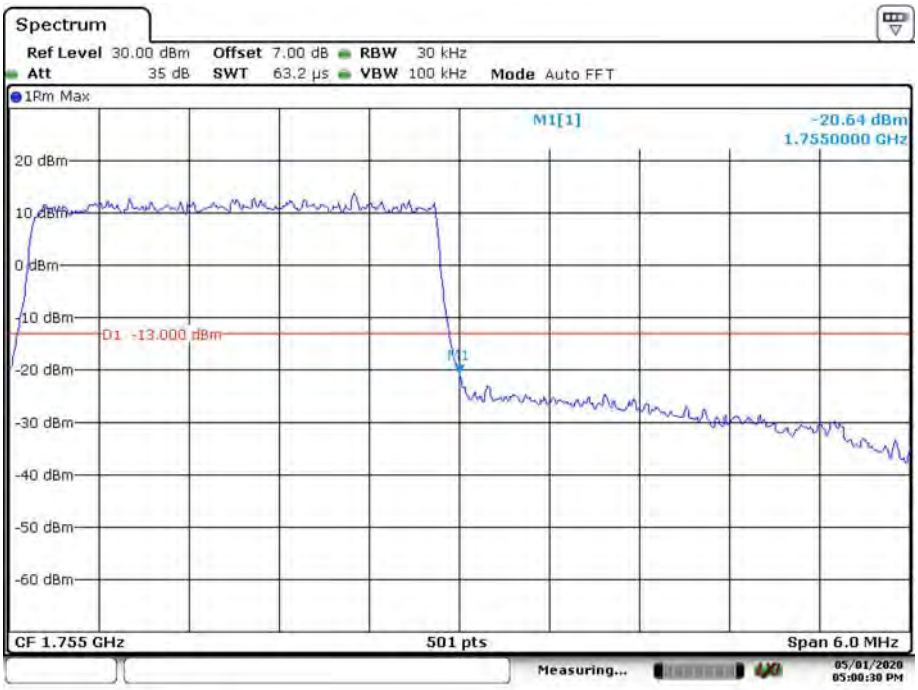


QPSK_3MHz_ 15 RB_ Left



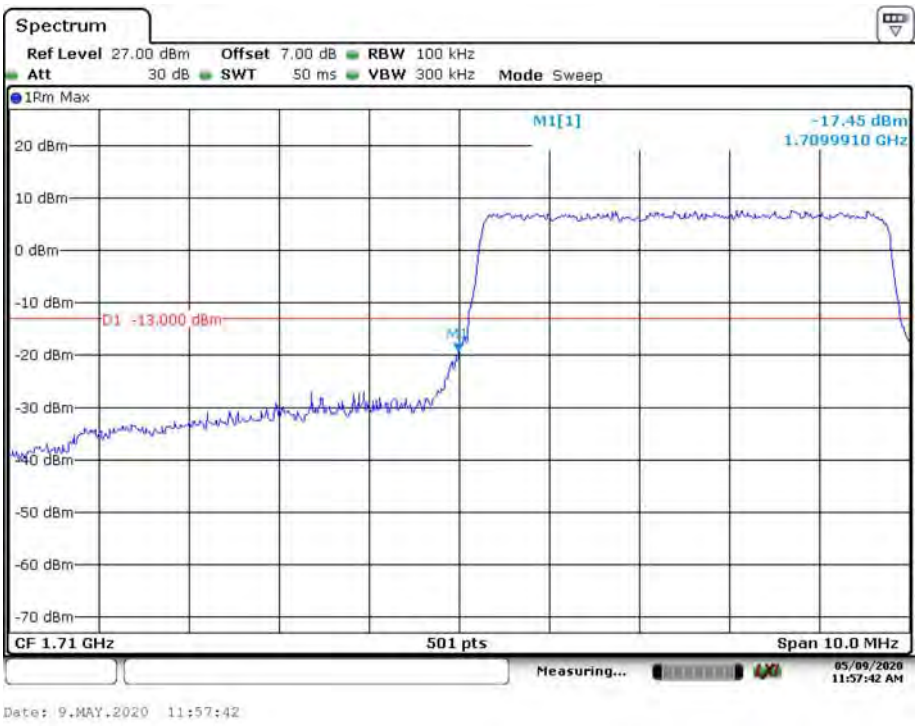
Date: 1.MAY.2020 16:59:51

QPSK_3MHz_ 15 RB_ Right



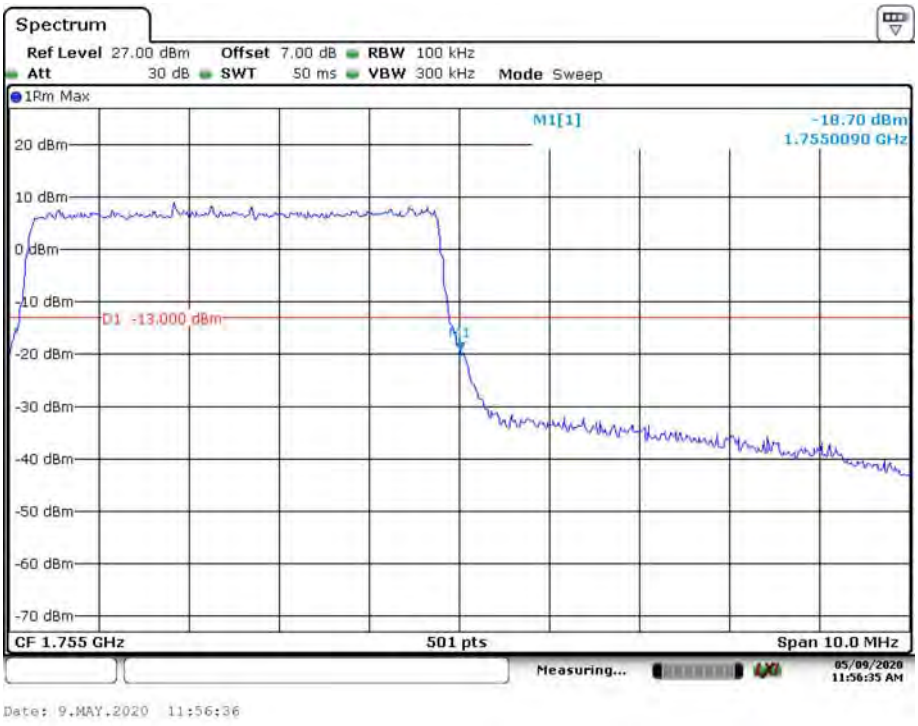
Date: 1.MAY.2020 17:00:30

QPSK_5MHz_ 25 RB_ Left



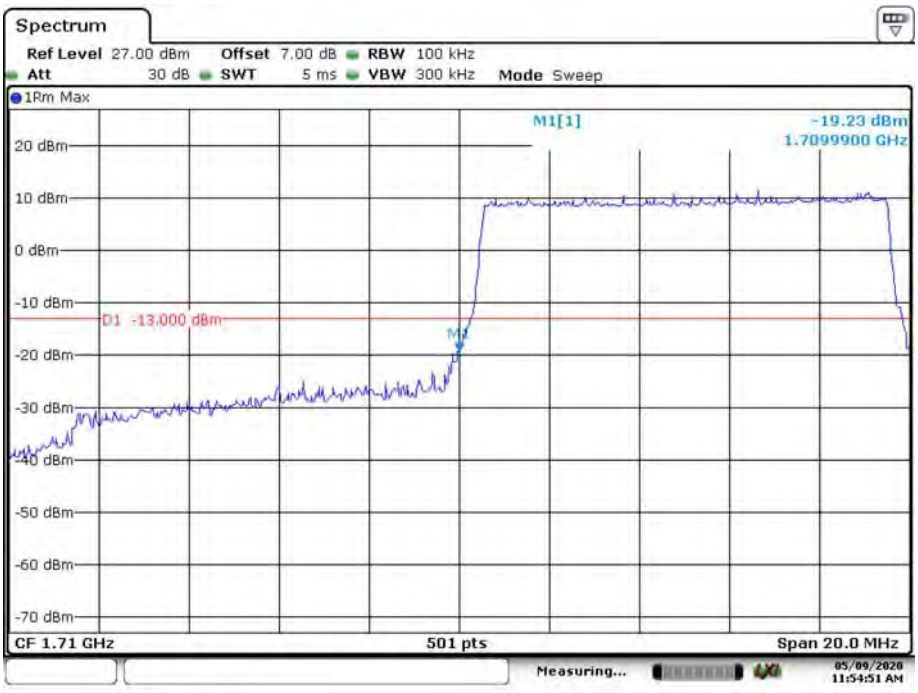
Date: 9.MAY.2020 11:57:42

QPSK_5MHz_ 25 RB_ Right



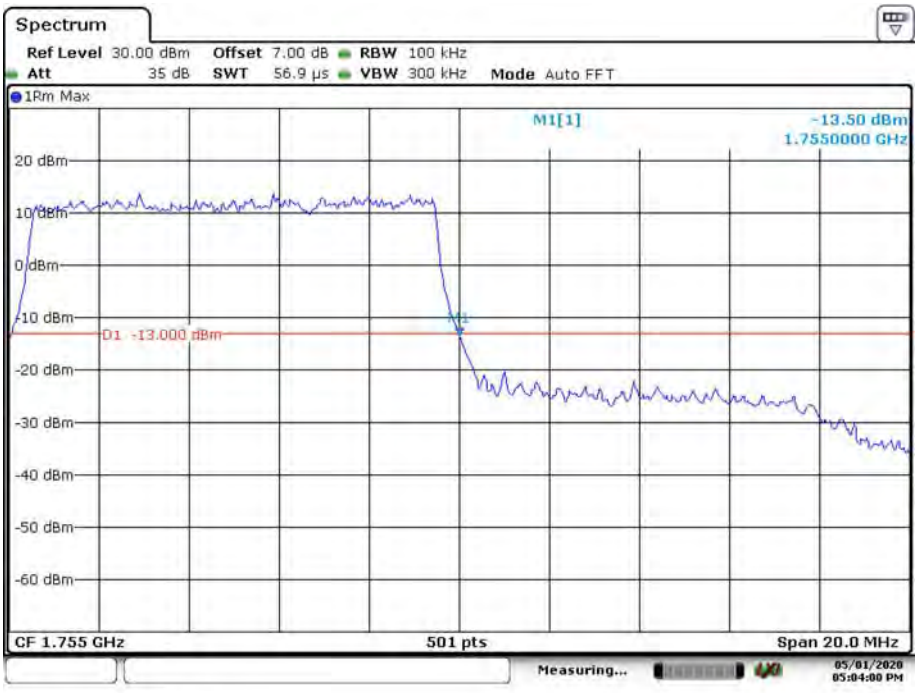
Date: 9.MAY.2020 11:56:36

QPSK_10MHz_ 50 RB_ Left



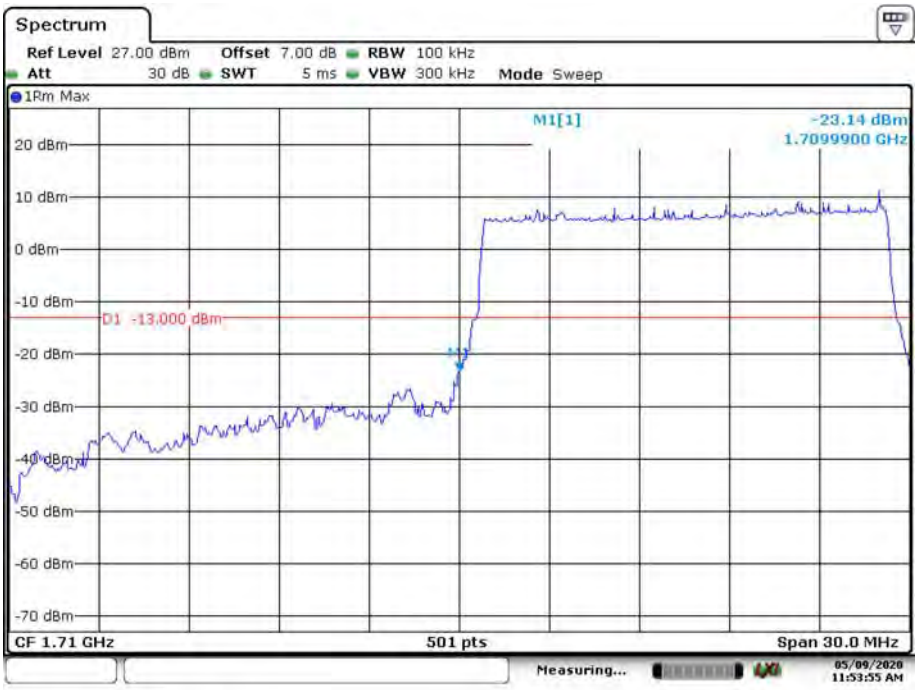
Date: 9.MAY.2020 11:54:52

QPSK_10MHz_ 50 RB_ Right



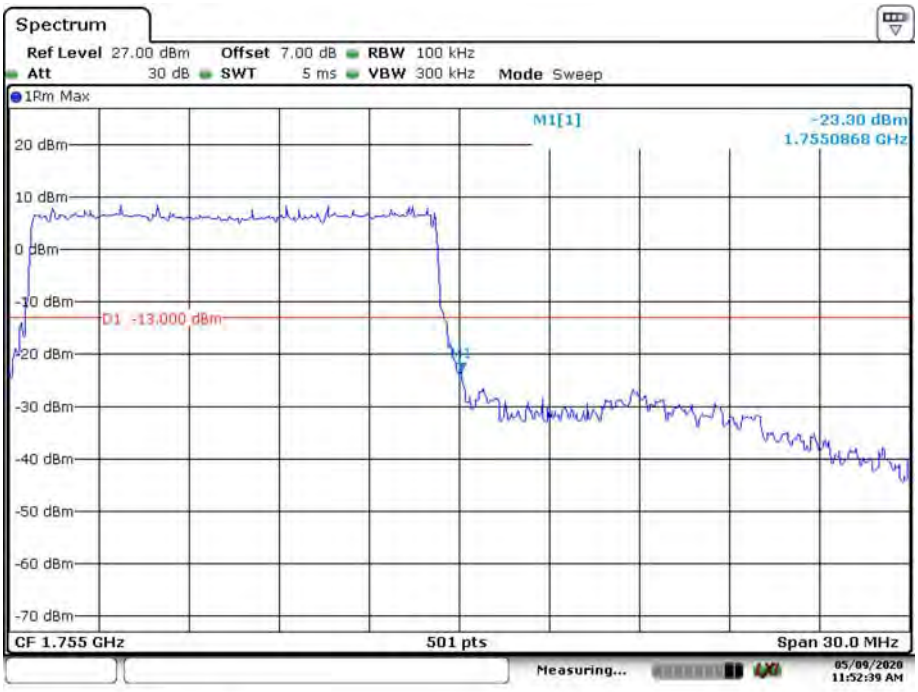
Date: 1.MAY.2020 17:04:00

QPSK_15MHz_ 75 RB_ Left



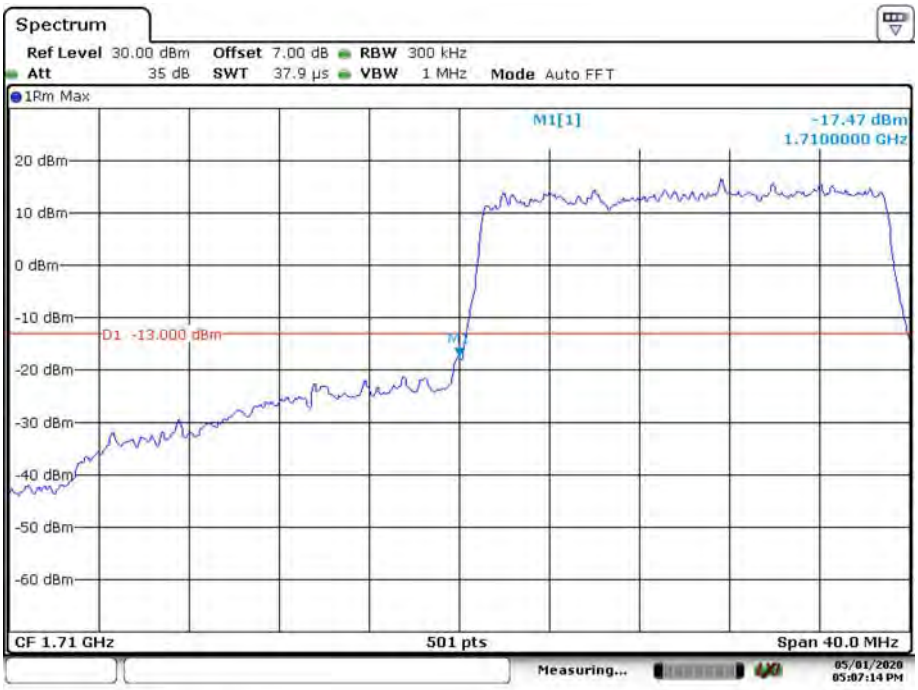
Date: 9.MAY.2020 11:53:56

QPSK_15MHz_ 75 RB_ Right



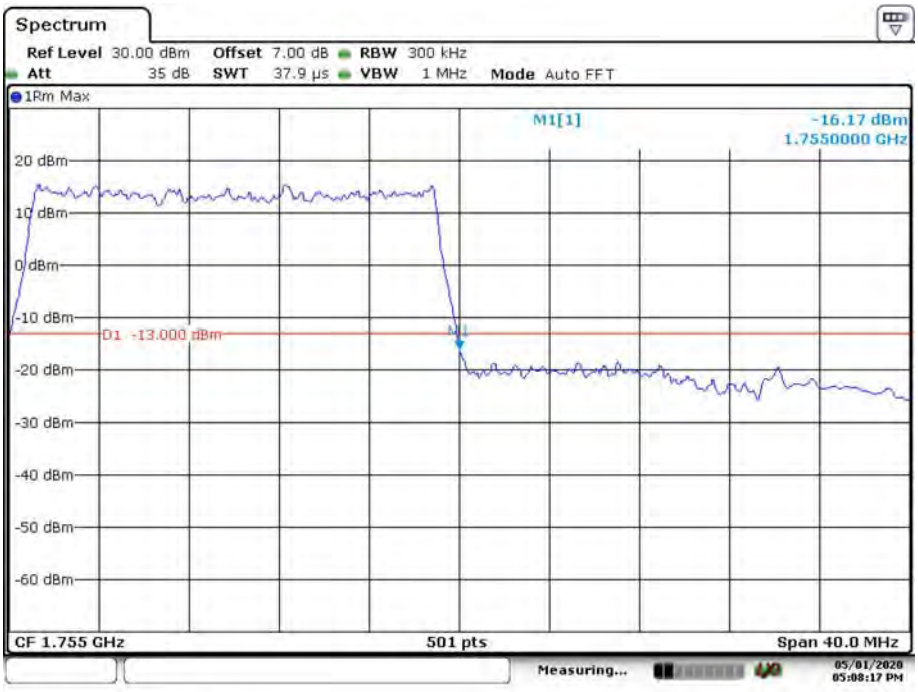
Date: 9.MAY.2020 11:52:40

QPSK_20MHz_ FULL RB_ Left



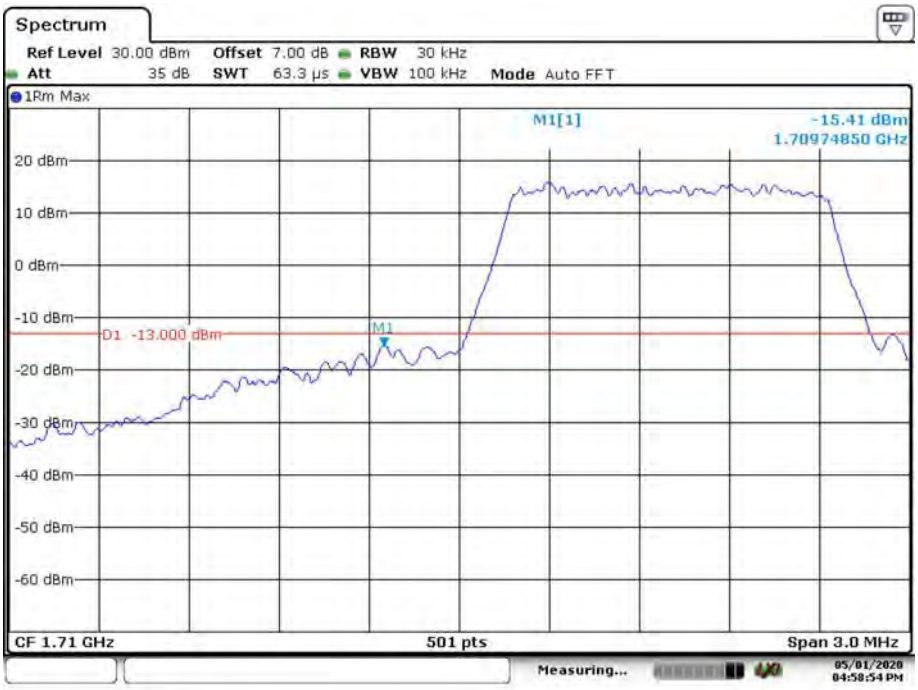
Date: 1.MAY.2020 17:07:14

QPSK_20MHz_ FULL RB_ Right



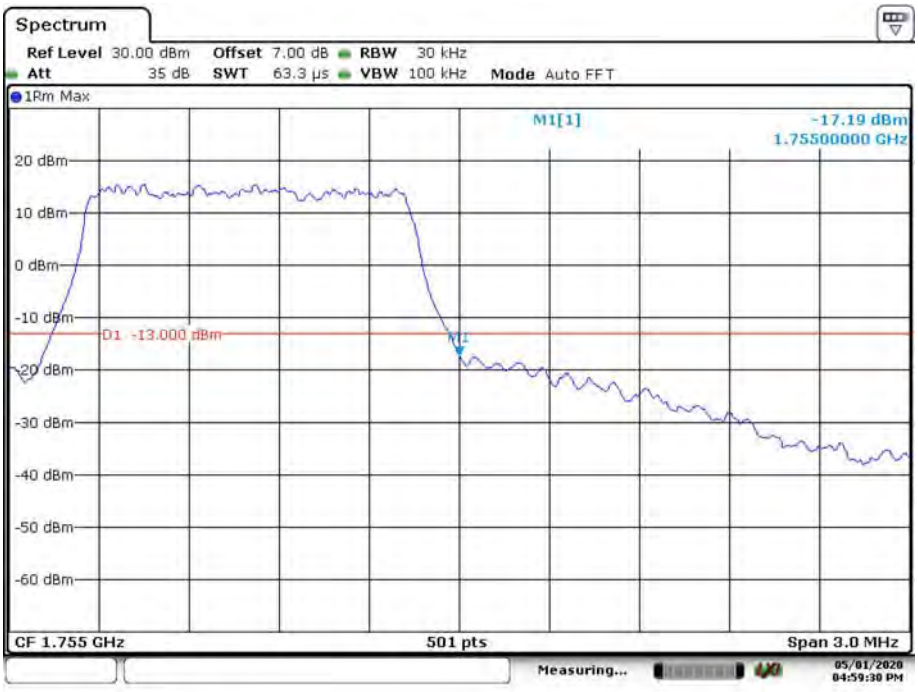
Date: 1.MAY.2020 17:08:17

16QAM_1.4MHz_ 6 RB_ Left



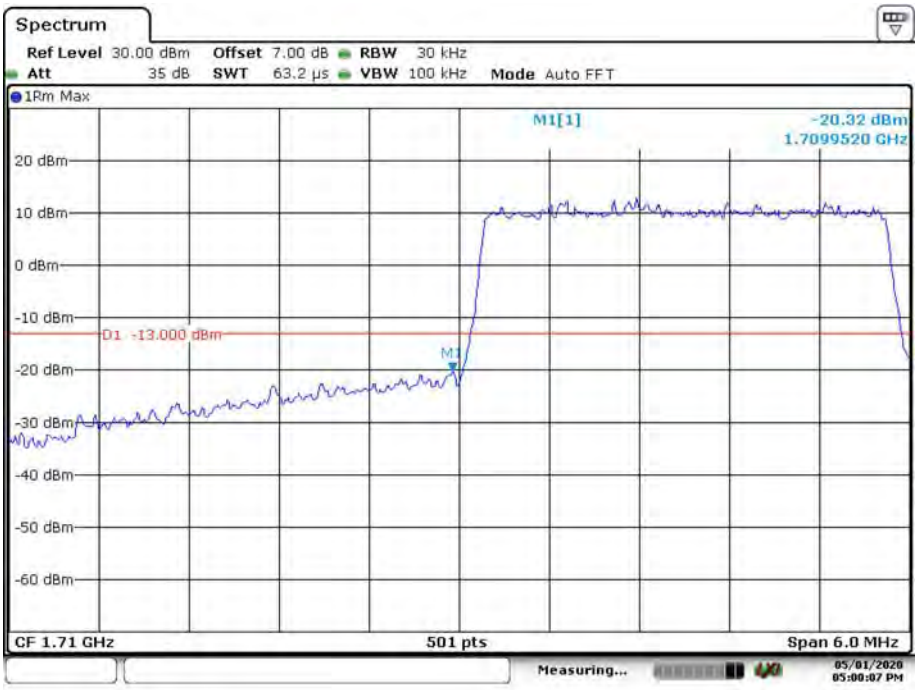
Date: 1.MAY.2020 16:58:54

16QAM_1.4MHz_ 6 RB_ Right



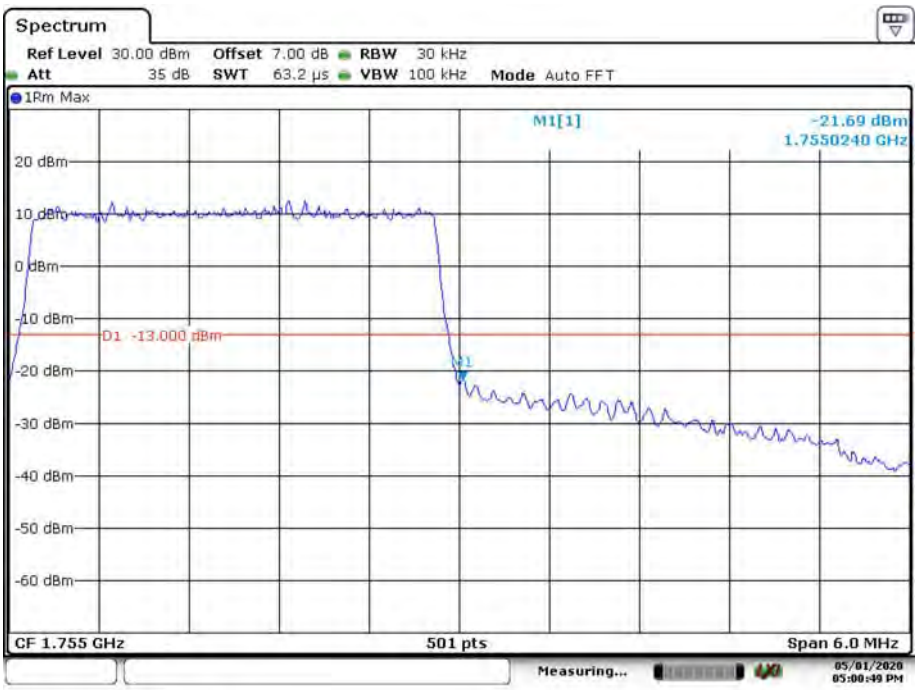
Date: 1.MAY.2020 16:59:30

16QAM_3MHz_ 15 RB_ Left



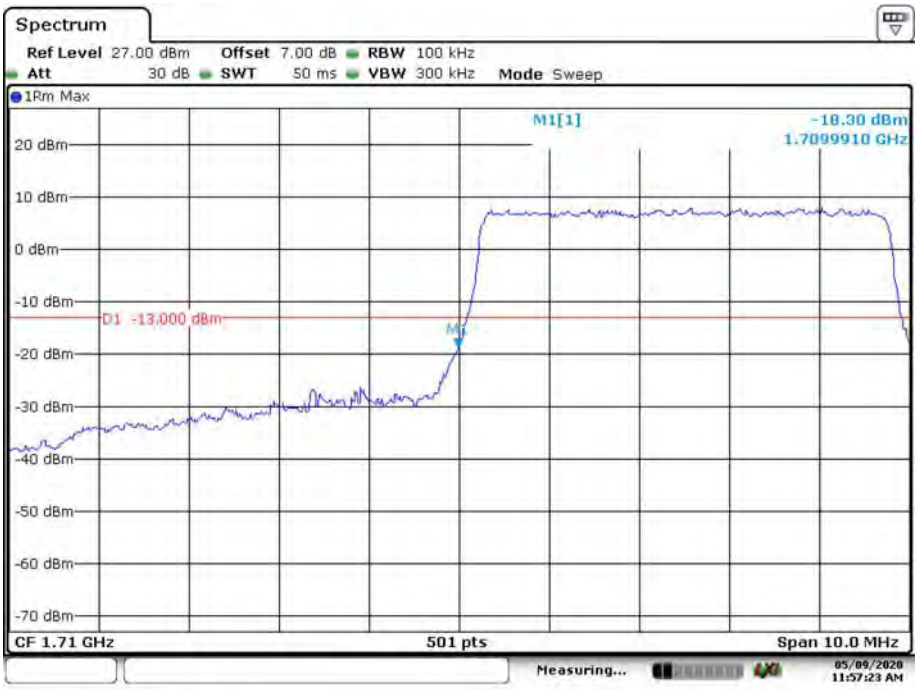
Date: 1.MAY.2020 17:00:07

16QAM_3MHz_ 15 RB_ Right



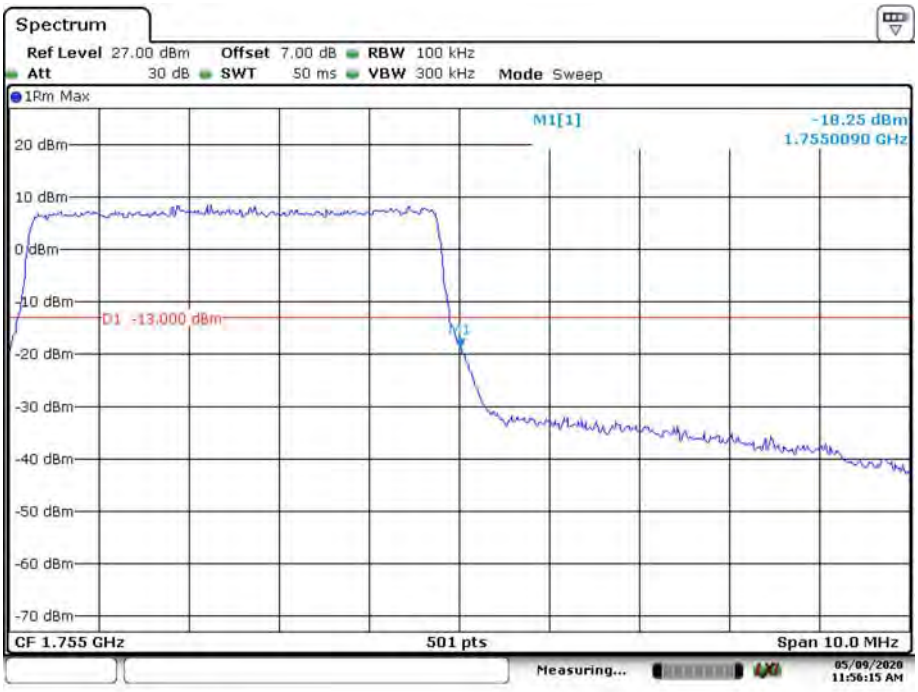
Date: 1.MAY.2020 17:00:49

16QAM_5MHz_ 25 RB_ Left



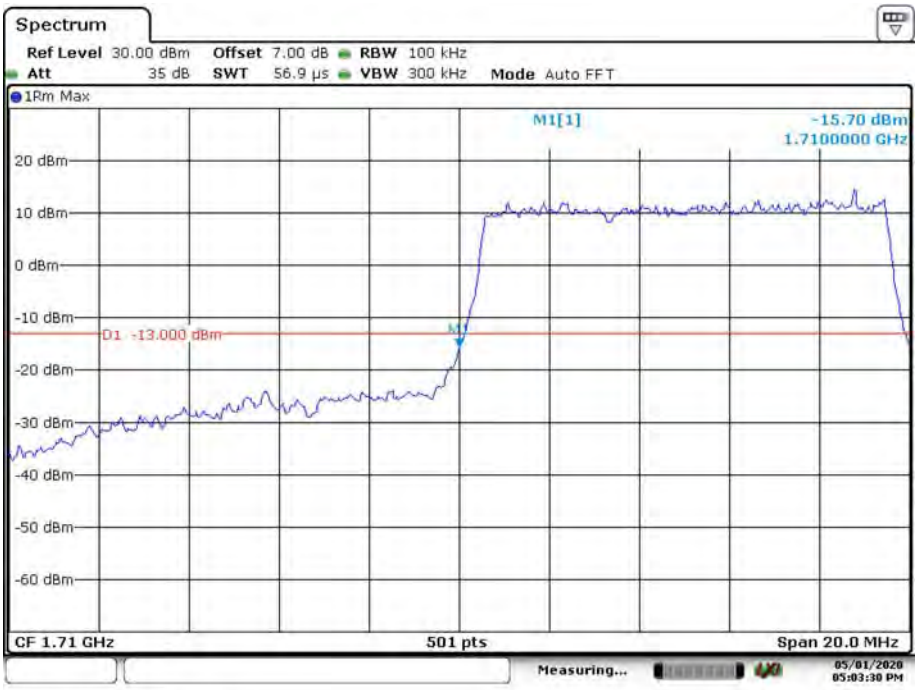
Date: 9.MAY.2020 11:57:23

16QAM_5MHz_ 25 RB_ Right



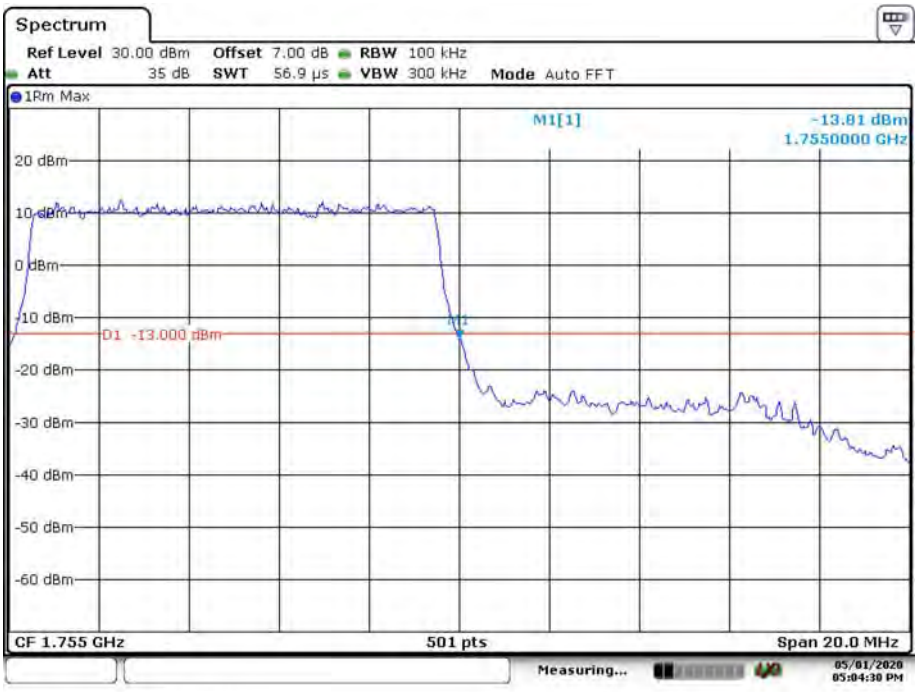
Date: 9.MAY.2020 11:56:16

16QAM_10MHz_ 50 RB_ Left



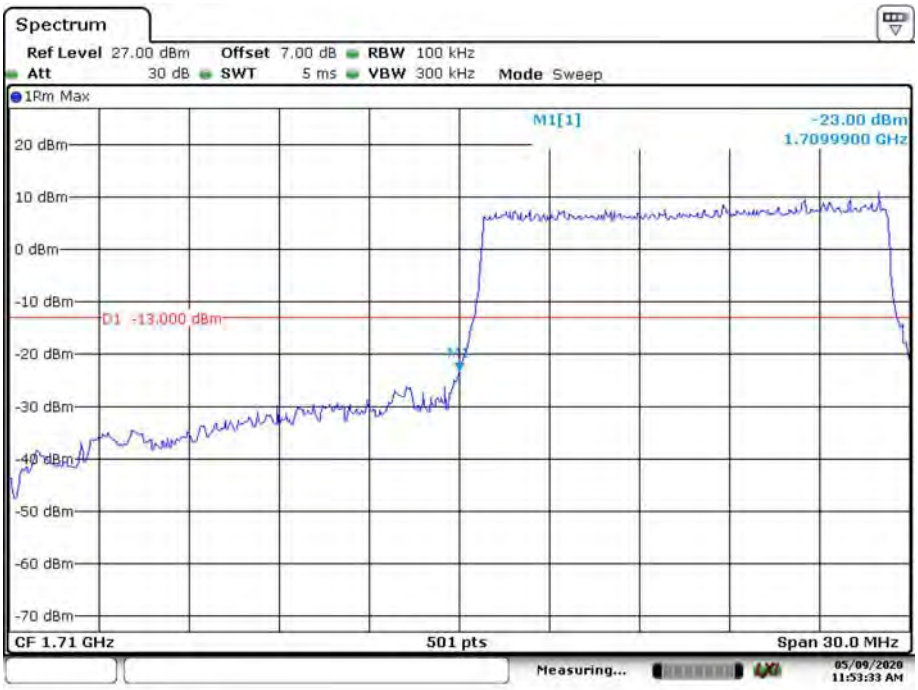
Date: 1.MAY.2020 17:03:30

16QAM_10MHz_ 50 RB_ Right



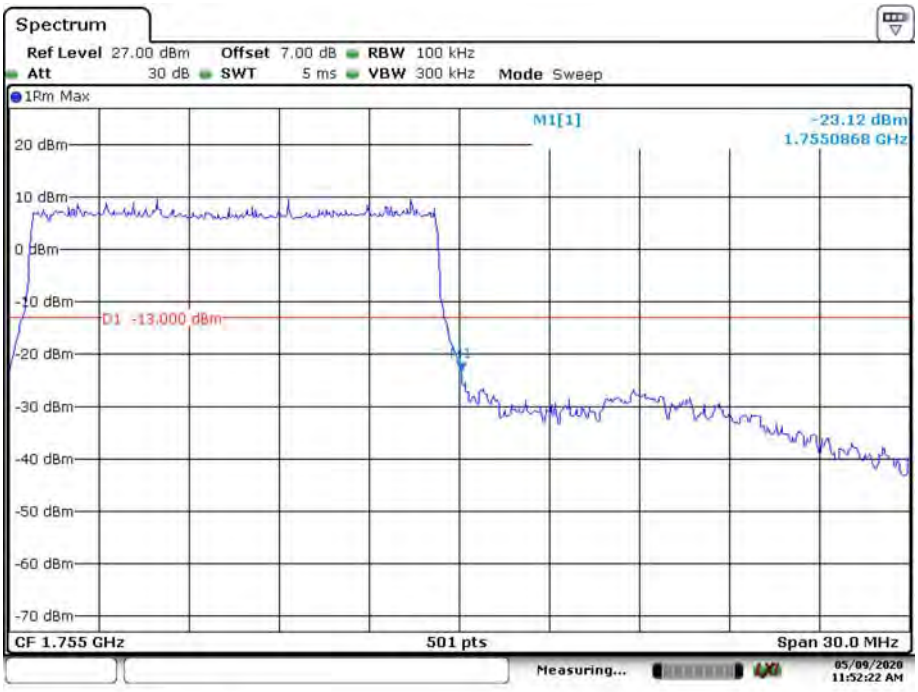
Date: 1.MAY.2020 17:04:30

16QAM_15MHz_ 75 RB_ Left



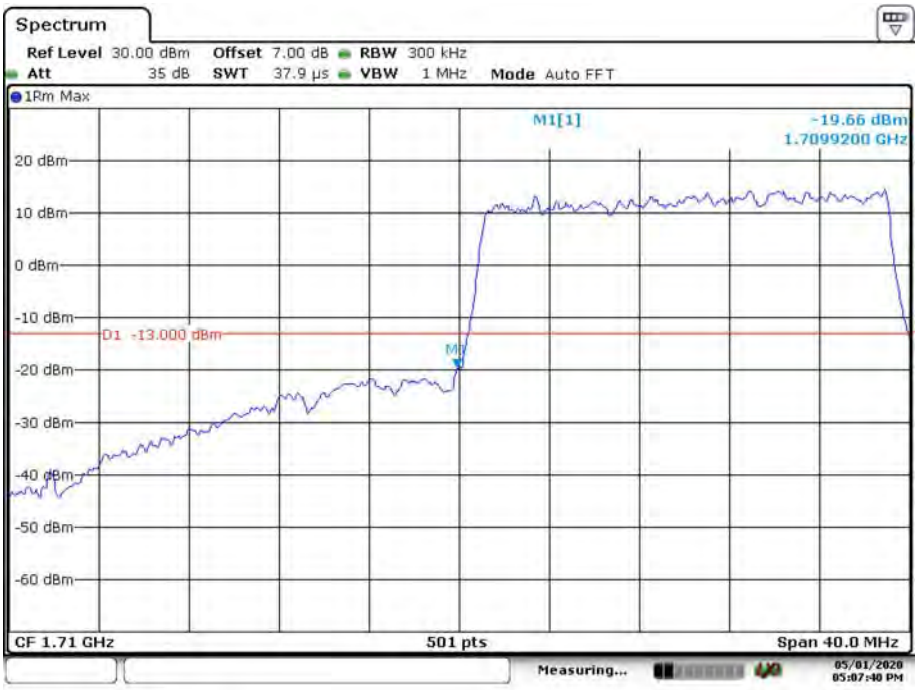
Date: 9.MAY.2020 11:53:33

16QAM_15MHz_ 75 RB_ Right



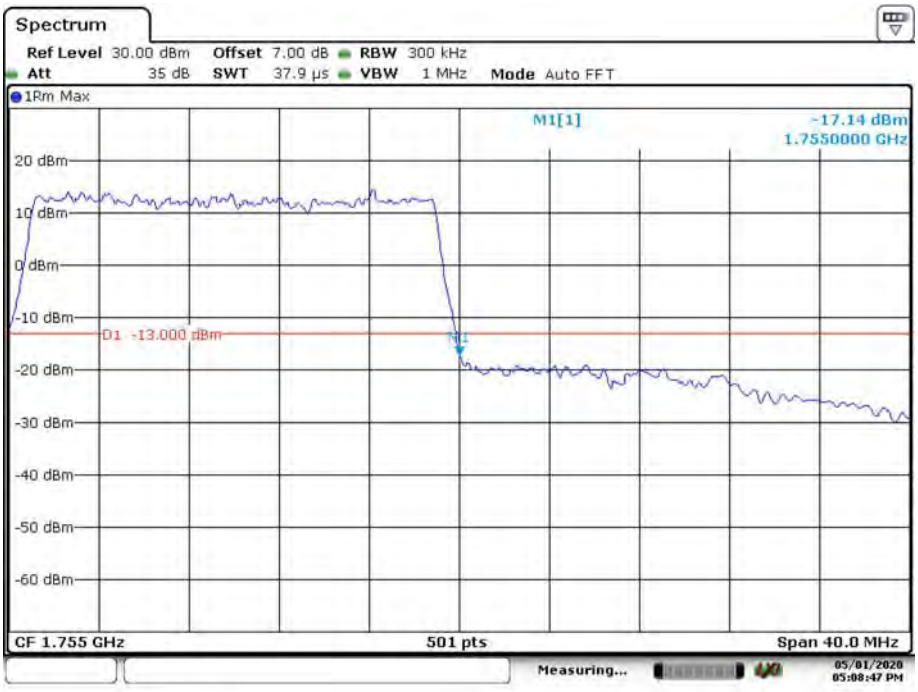
Date: 9.MAY.2020 11:52:22

16QAM_20MHz_ FULL RB_ Left



Date: 1.MAY.2020 17:07:40

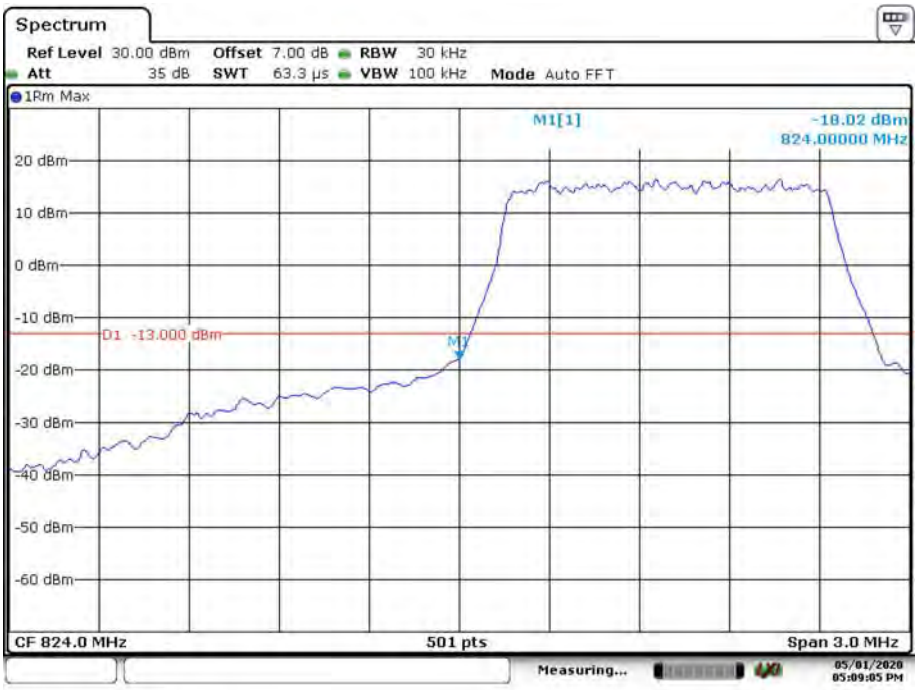
16QAM_20MHz_ FULL RB_ Right



Date: 1.MAY.2020 17:08:46

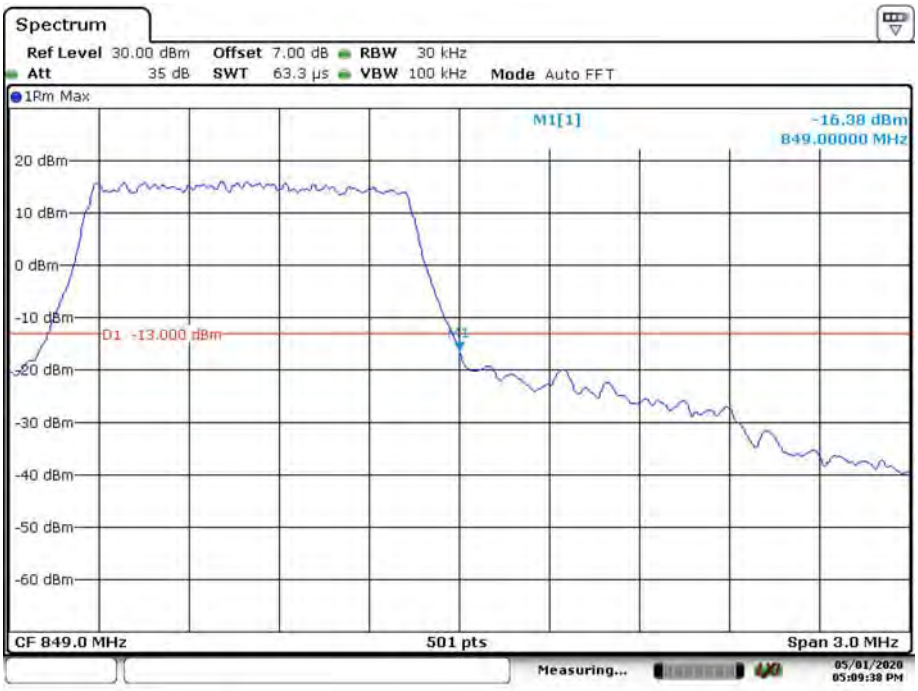
LTE Band 5

QPSK_1.4MHz_ 6 RB_ Left



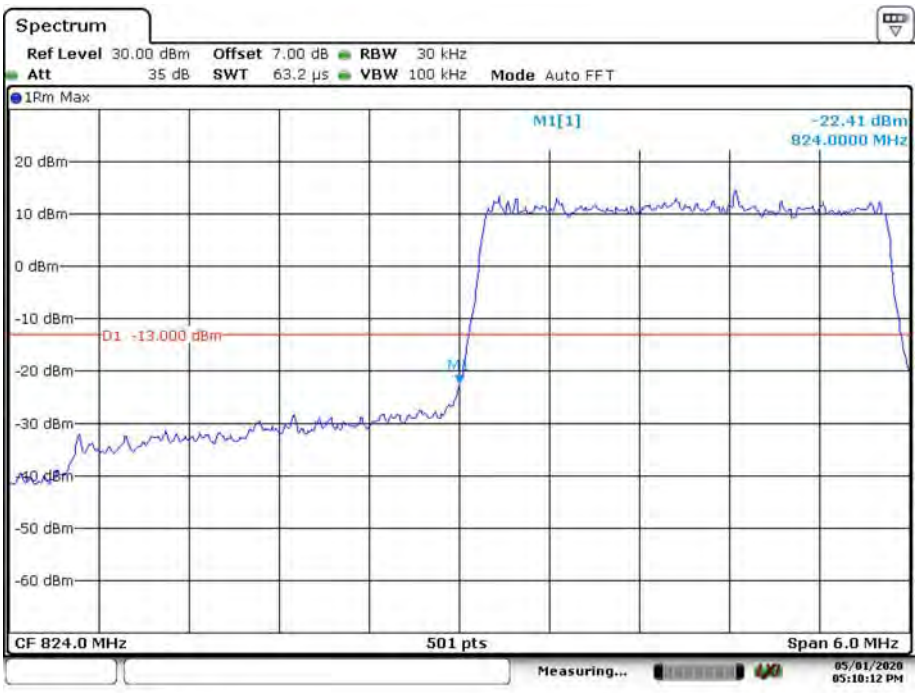
Date: 1.MAY.2020 17:09:05

QPSK_1.4MHz_ 6 RB_ Right



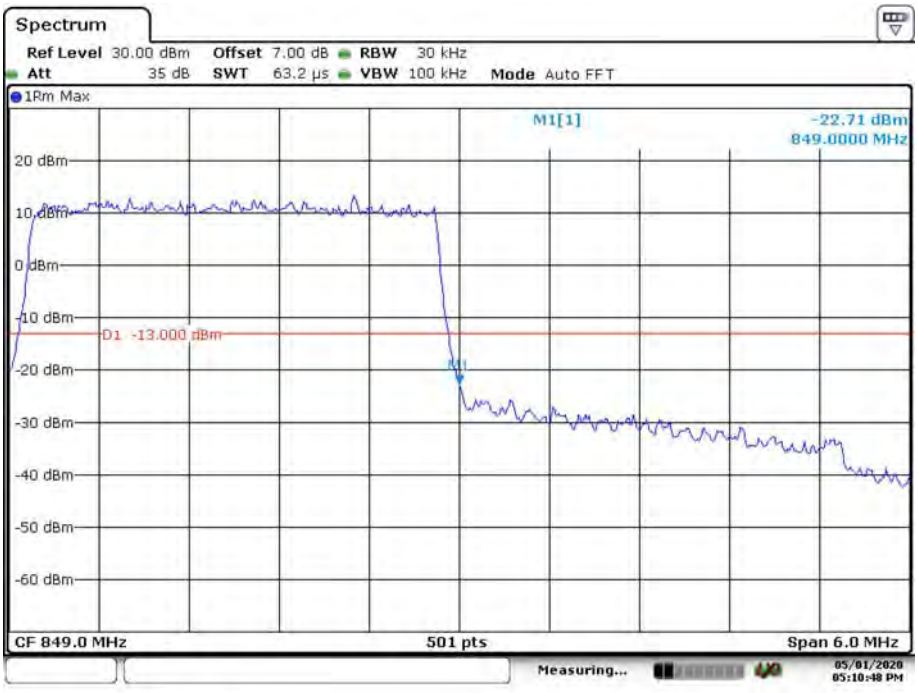
Date: 1.MAY.2020 17:09:38

QPSK_3MHz_ 15 RB_ Left



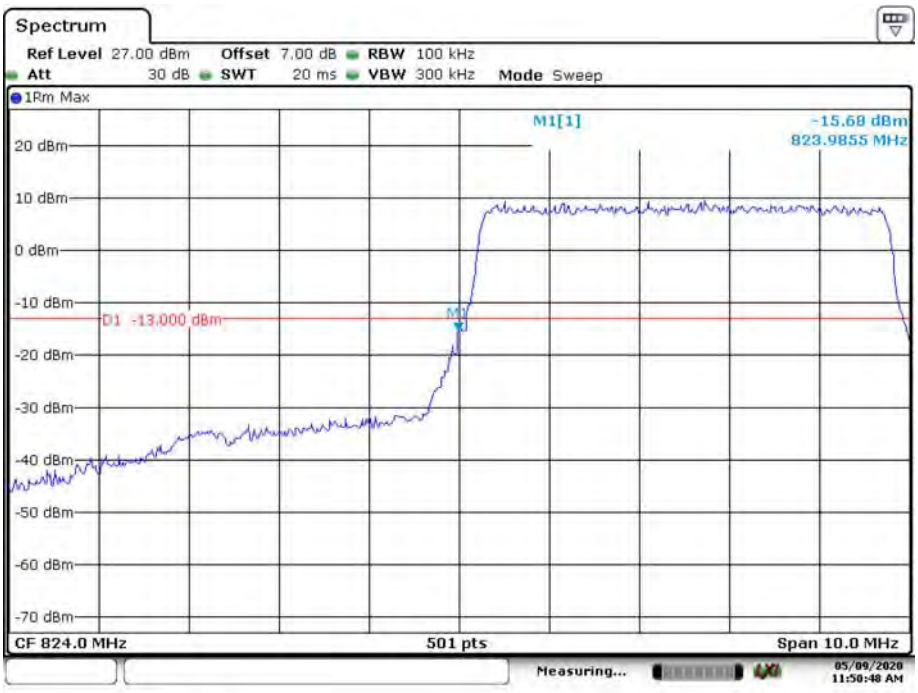
Date: 1.MAY.2020 17:10:12

QPSK_3MHz_ 15 RB_ Right



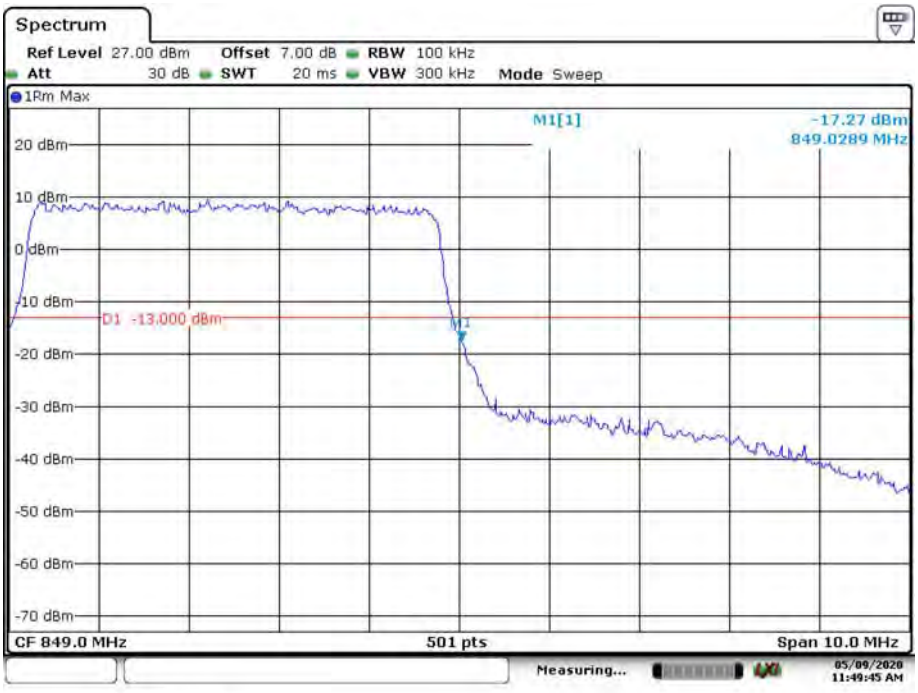
Date: 1.MAY.2020 17:10:48

QPSK_5MHz_ 25 RB_ Left



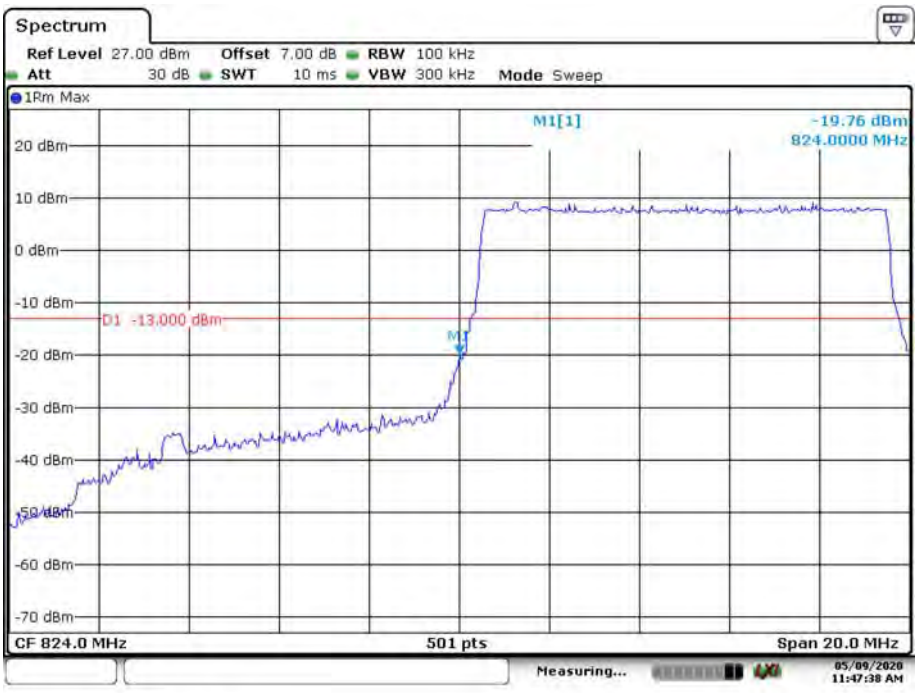
Date: 9.MAY.2020 11:50:48

QPSK_5MHz_ 25 RB_ Right



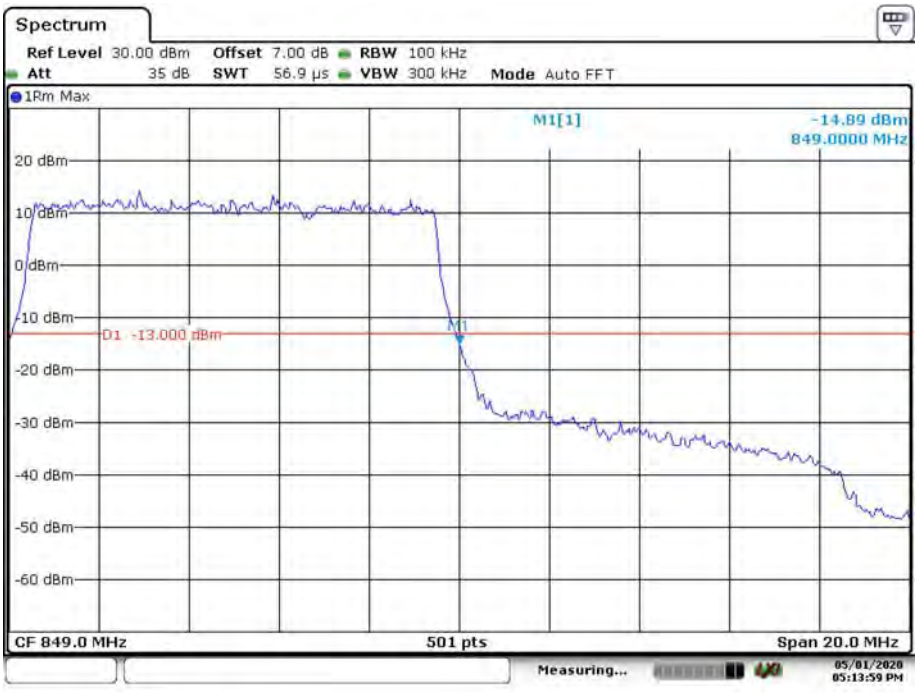
Date: 9.MAY.2020 11:49:46

QPSK_10MHz_ 50 RB_ Left



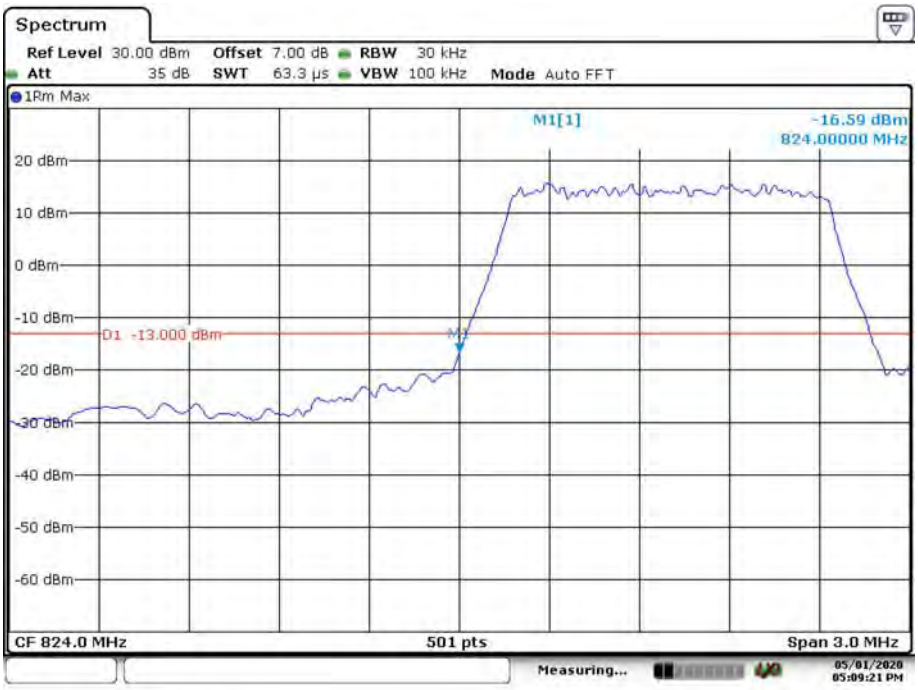
Date: 9.MAY.2020 11:47:38

QPSK_10MHz_ 50 RB_ Right



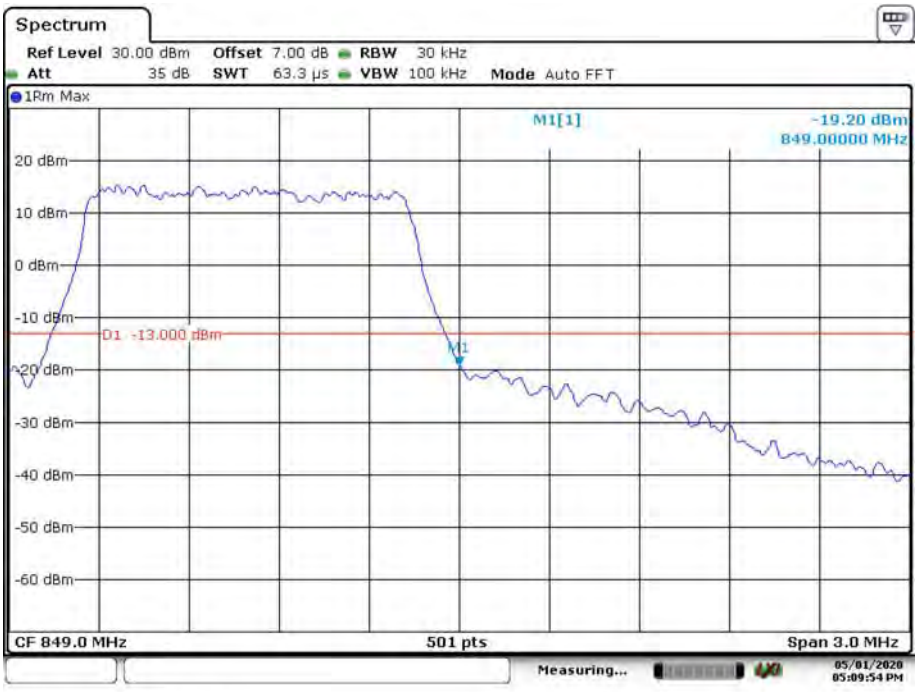
Date: 1.MAY.2020 17:13:59

16QAM_1.4MHz_ 6 RB_ Left



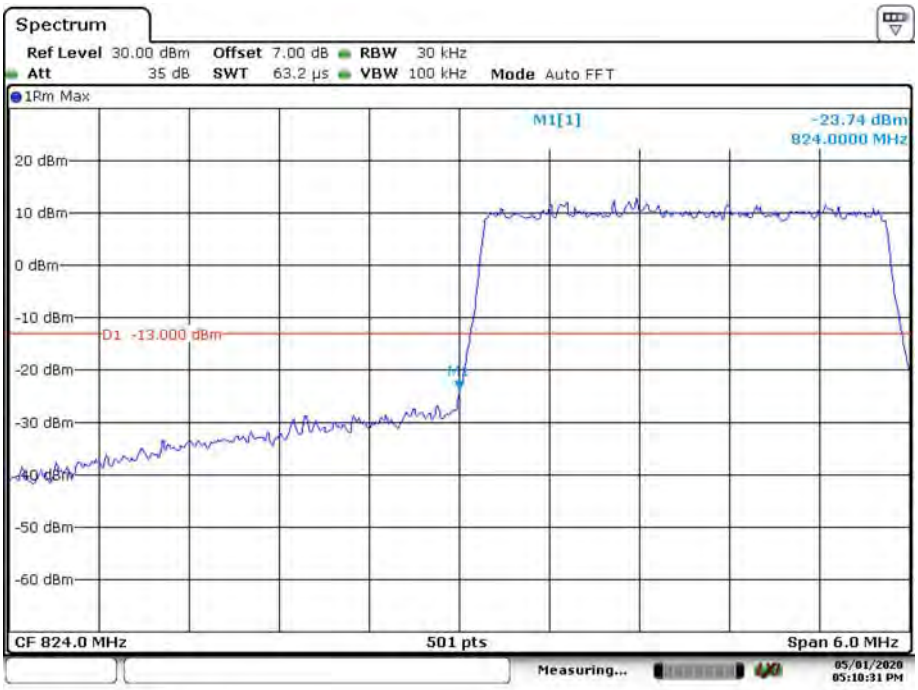
Date: 1.MAY.2020 17:09:21

16QAM_1.4MHz_ 6 RB_ Right



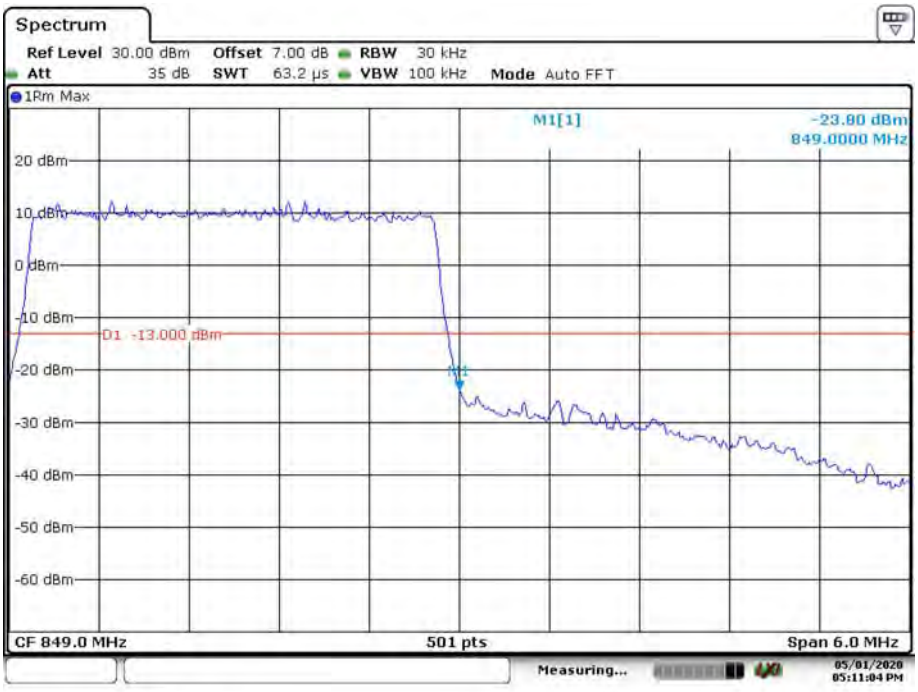
Date: 1.MAY.2020 17:09:54

16QAM_3MHz_ 15 RB_ Left



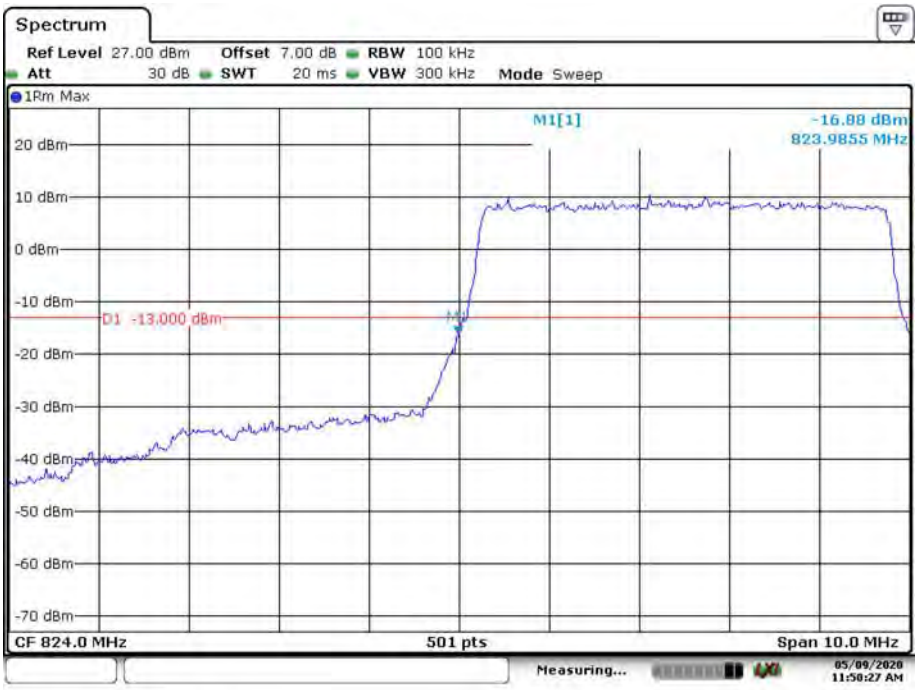
Date: 1.MAY.2020 17:10:31

16QAM_3MHz_ 15 RB_ Right



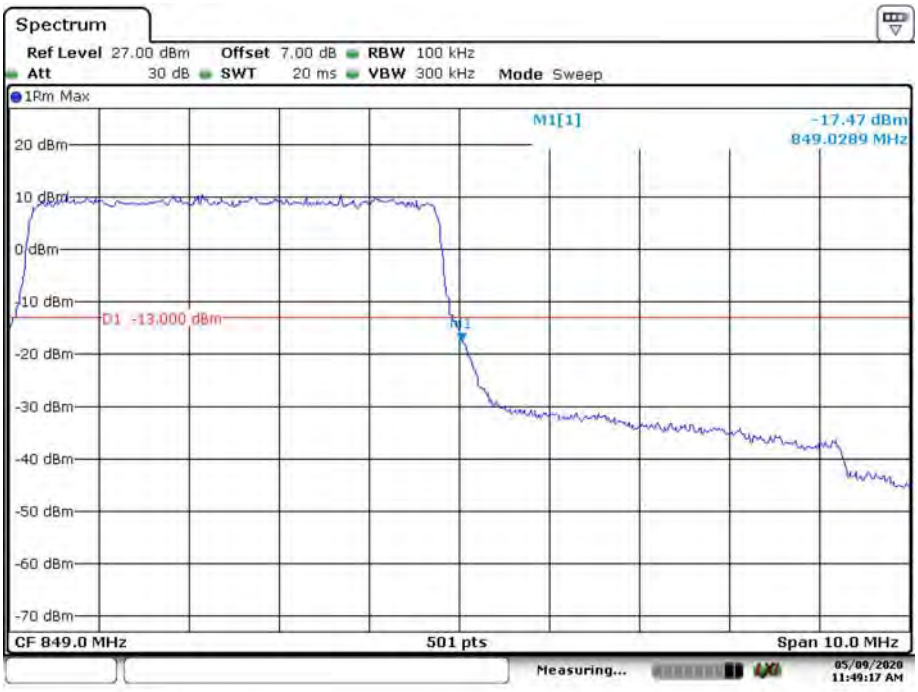
Date: 1.MAY.2020 17:11:04

16QAM_5MHz_ 25 RB_ Left



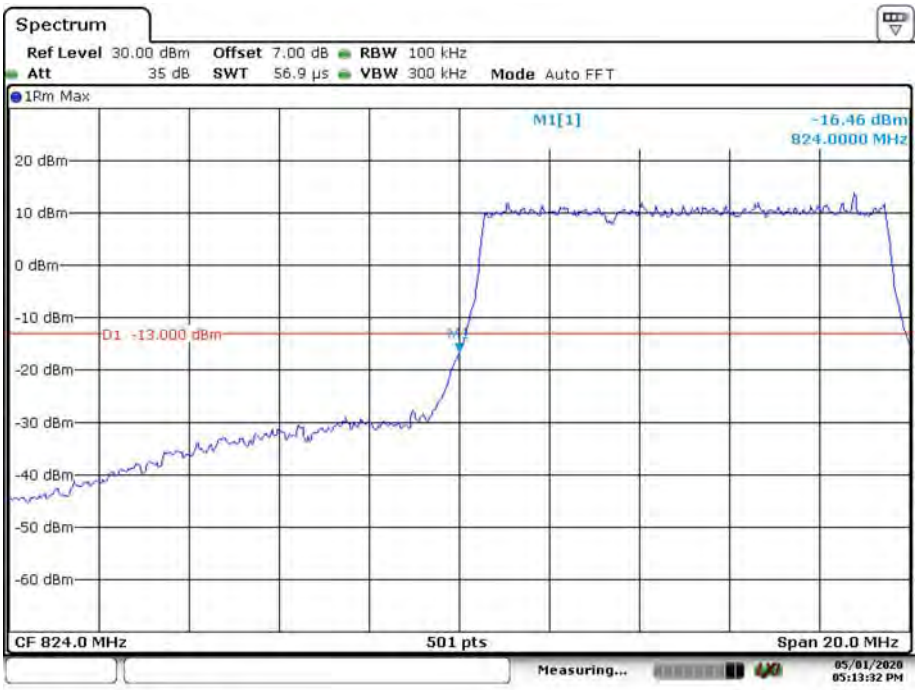
Date: 9.MAY.2020 11:50:27

16QAM_5MHz_ 25 RB_ Right



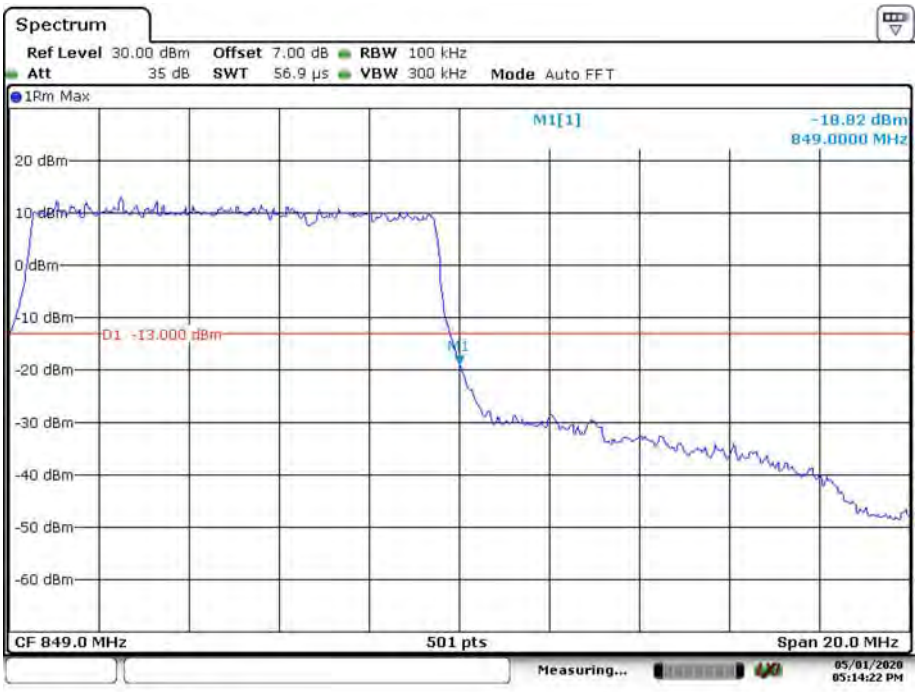
Date: 9.MAY.2020 11:49:17

16QAM_10MHz_ 50 RB_ Left



Date: 1.MAY.2020 17:13:32

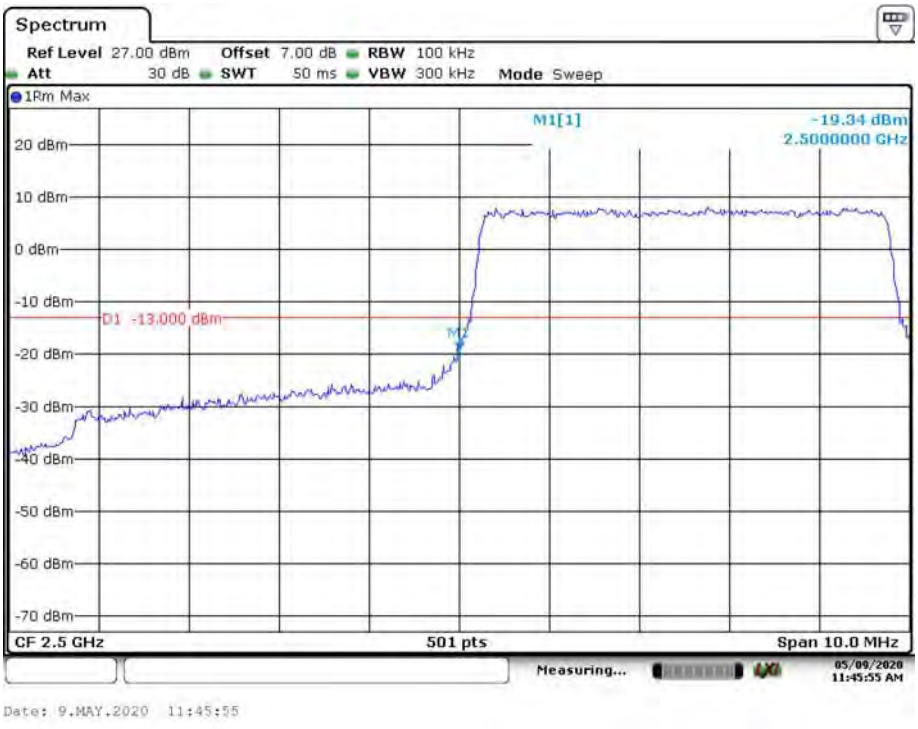
16QAM_10MHz_ 50 RB_ Right



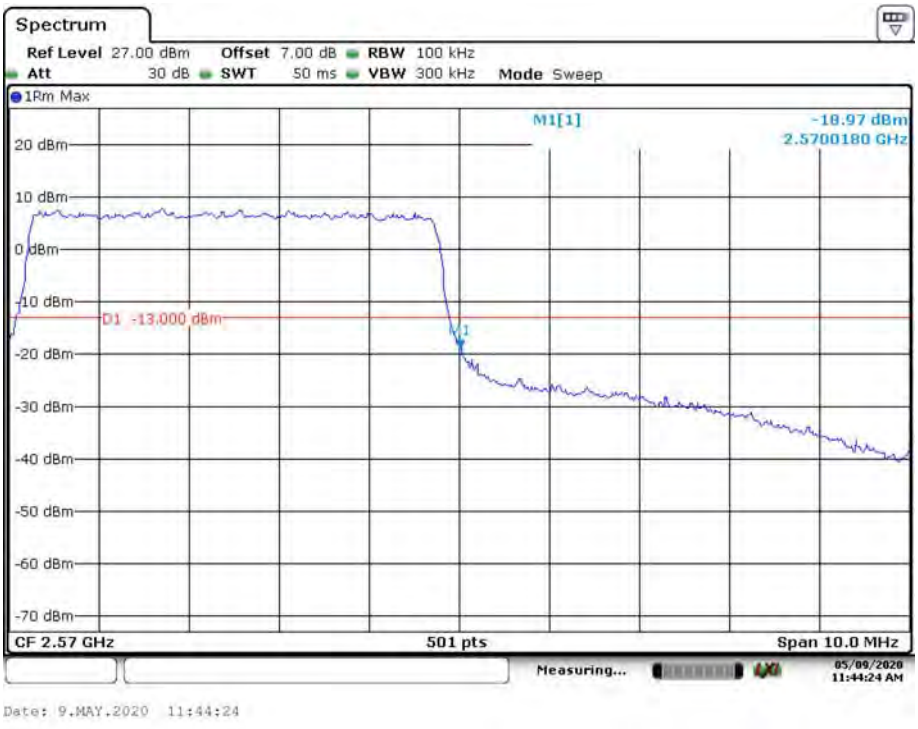
Date: 1.MAY.2020 17:14:22

LTE Band 7:

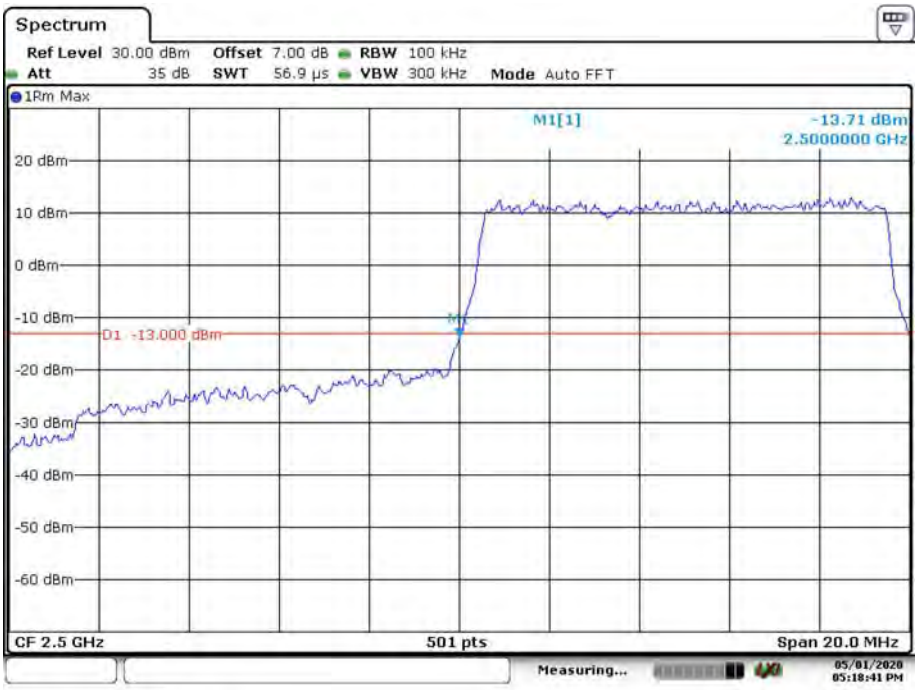
QPSK_5MHz_ 25 RB_ Left



QPSK_5MHz_ 25 RB_ Right

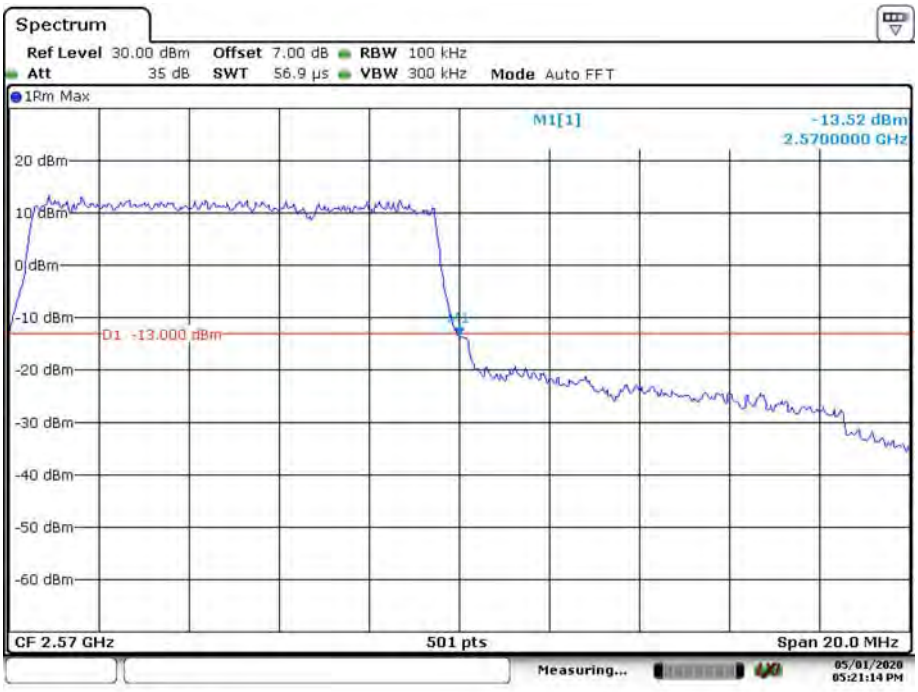


QPSK_10MHz_ 50 RB_ Left



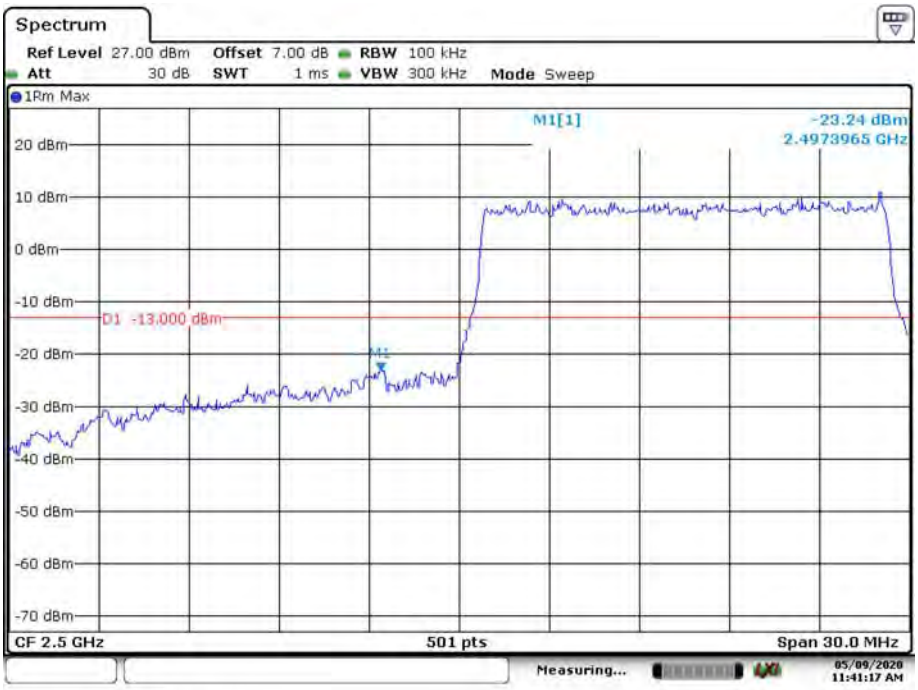
Date: 1.MAY.2020 17:18:41

QPSK_10MHz_ 50 RB_ Right



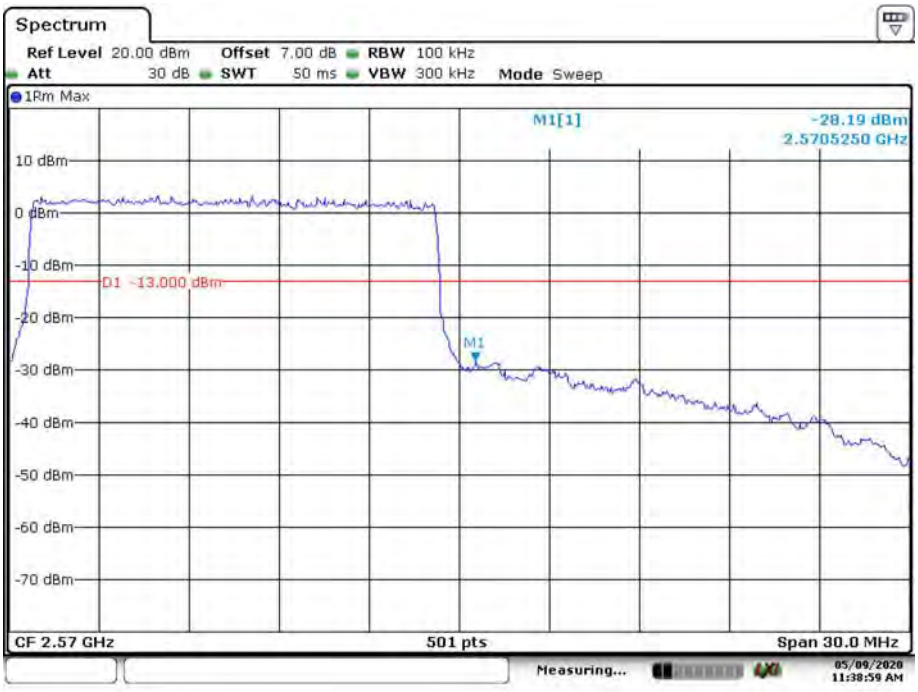
Date: 1.MAY.2020 17:21:14

QPSK_15MHz_ 75 RB_ Left



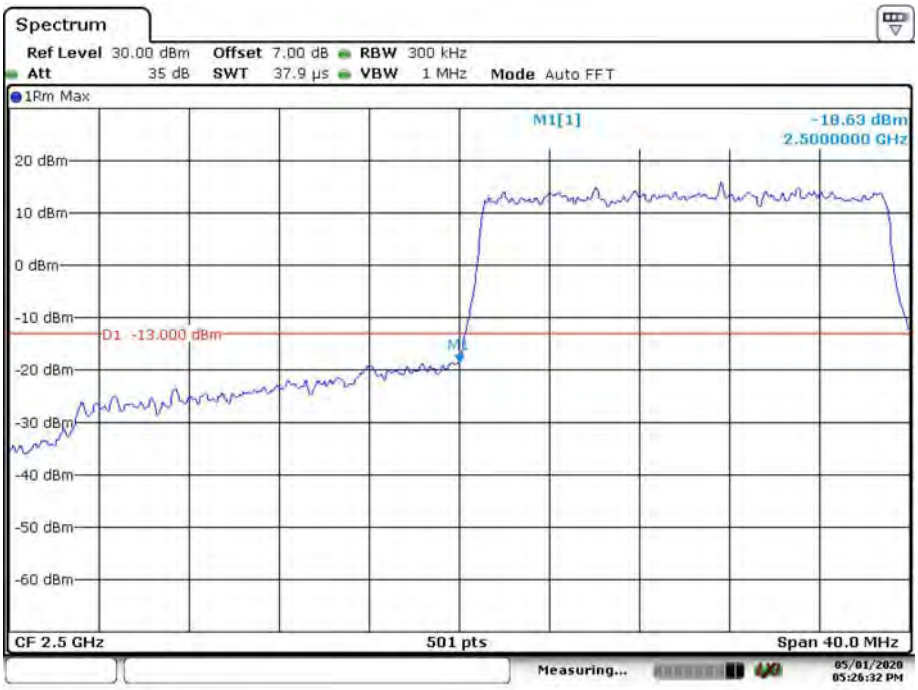
Date: 9.MAY.2020 11:41:17

QPSK_15MHz_ 75 RB_ Right



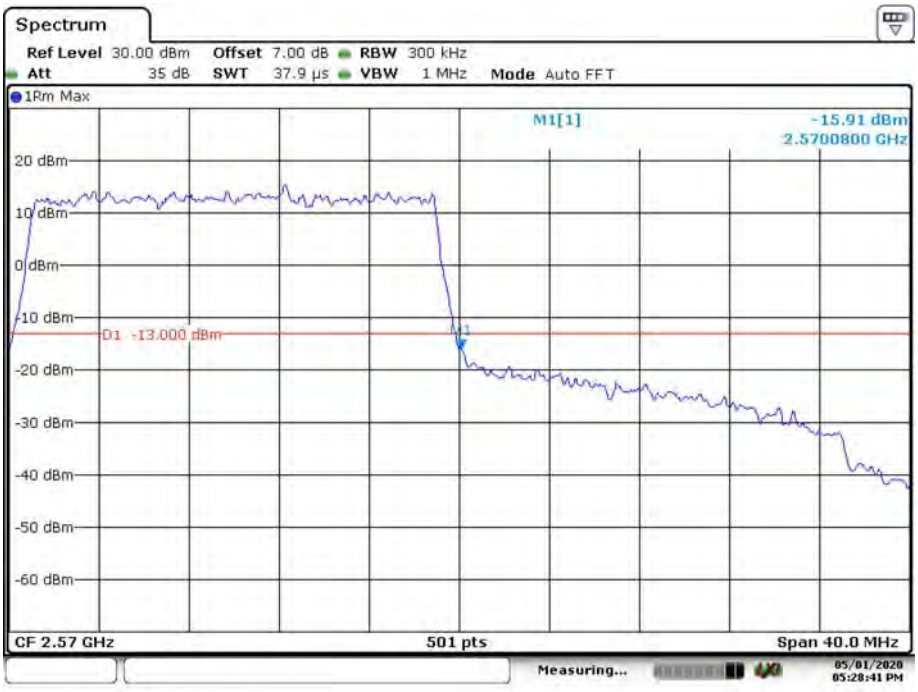
Date: 9.MAY.2020 11:38:59

QPSK_20MHz_ FULL RB_ Left



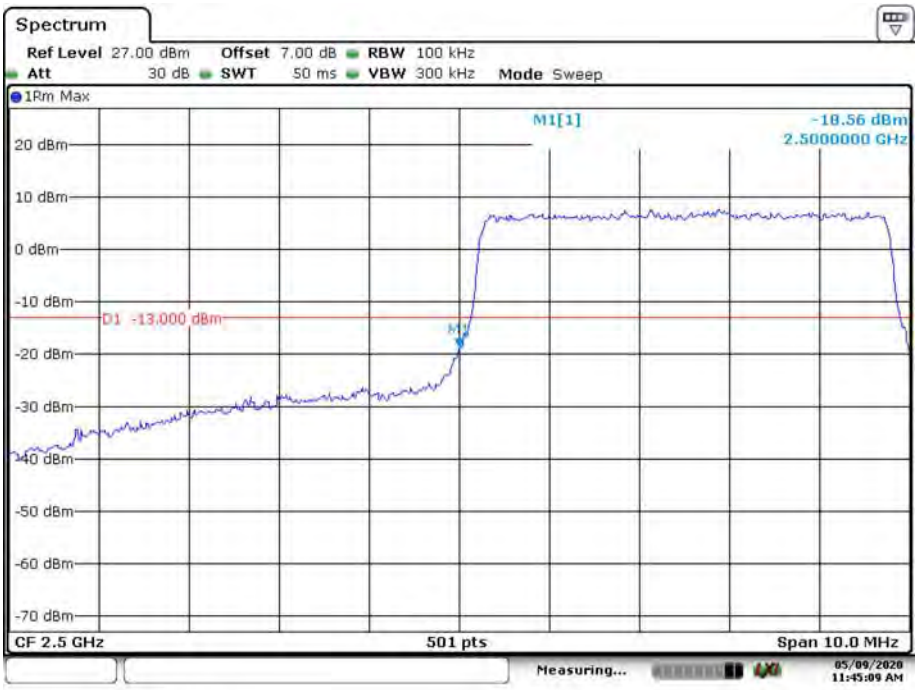
Date: 1.MAY.2020 17:26:32

QPSK_20MHz_ FULL RB_ Right



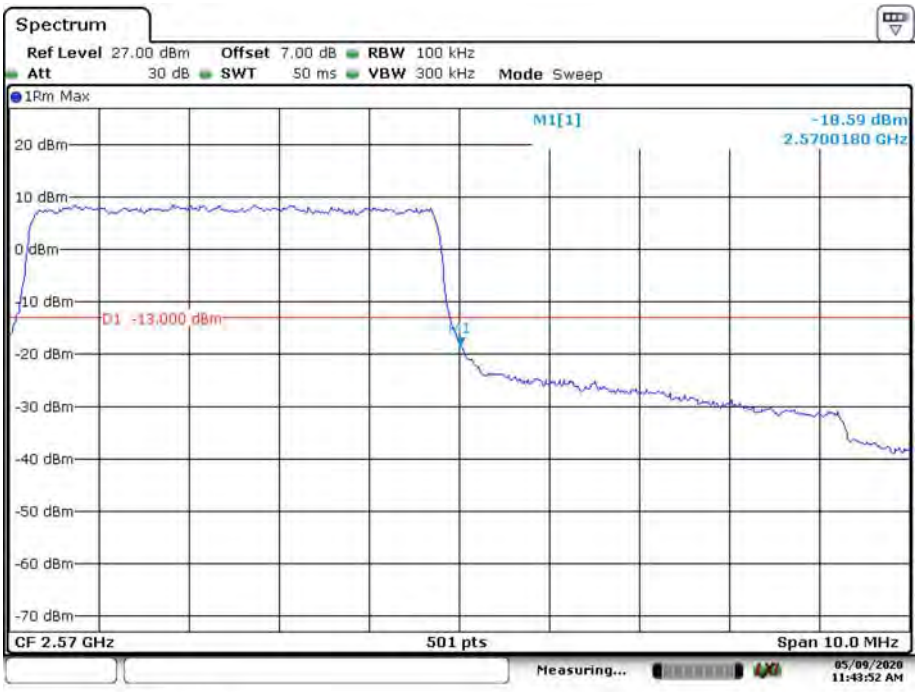
Date: 1.MAY.2020 17:28:41

16QAM_5MHz_ 25 RB_ Left



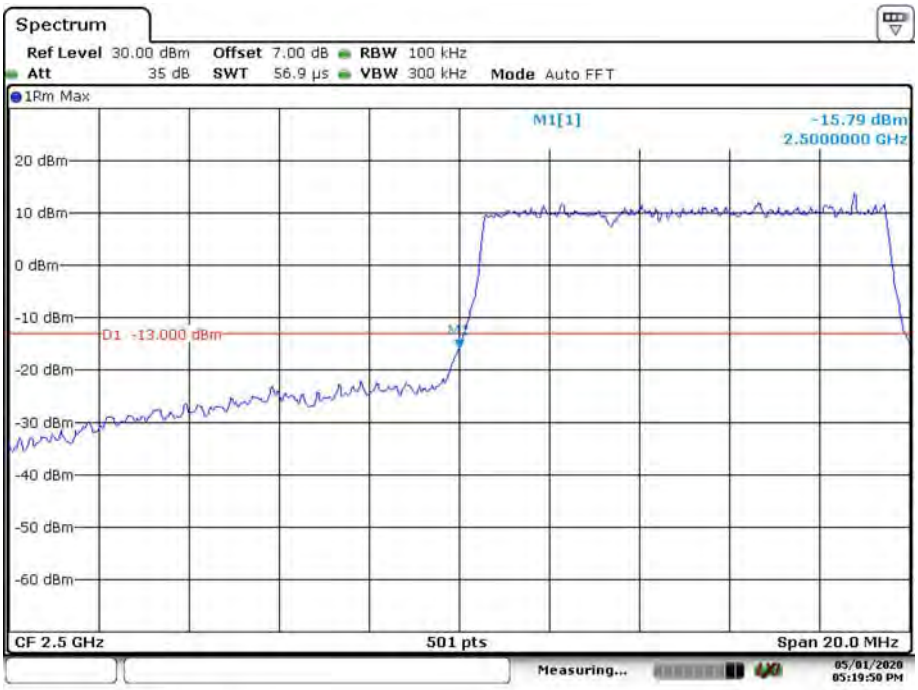
Date: 9.MAY.2020 11:45:10

16QAM_5MHz_ 25 RB_ Right



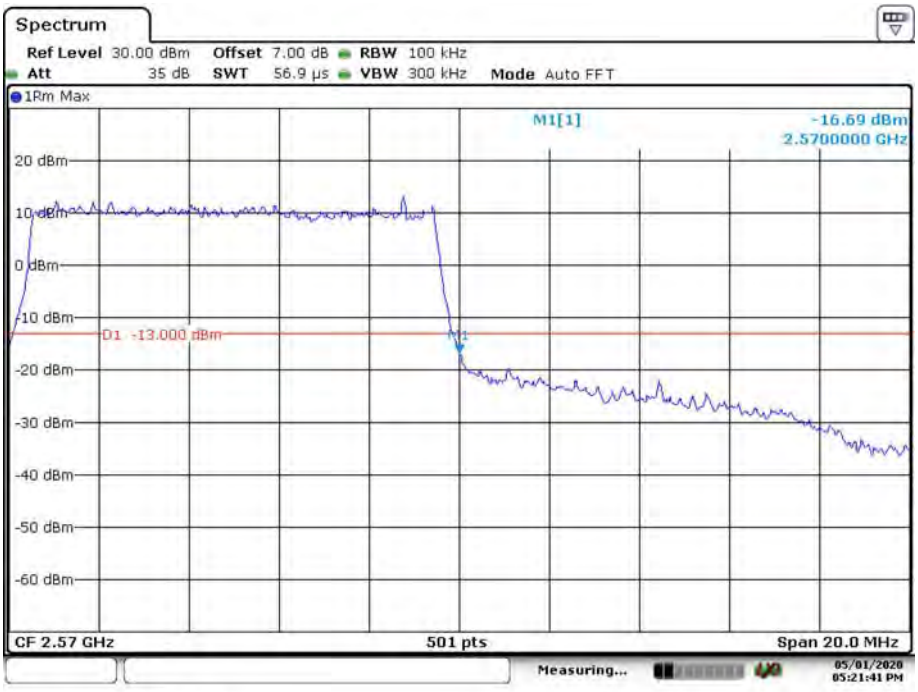
Date: 9.MAY.2020 11:43:52

16QAM_10MHz_ 50 RB_ Left



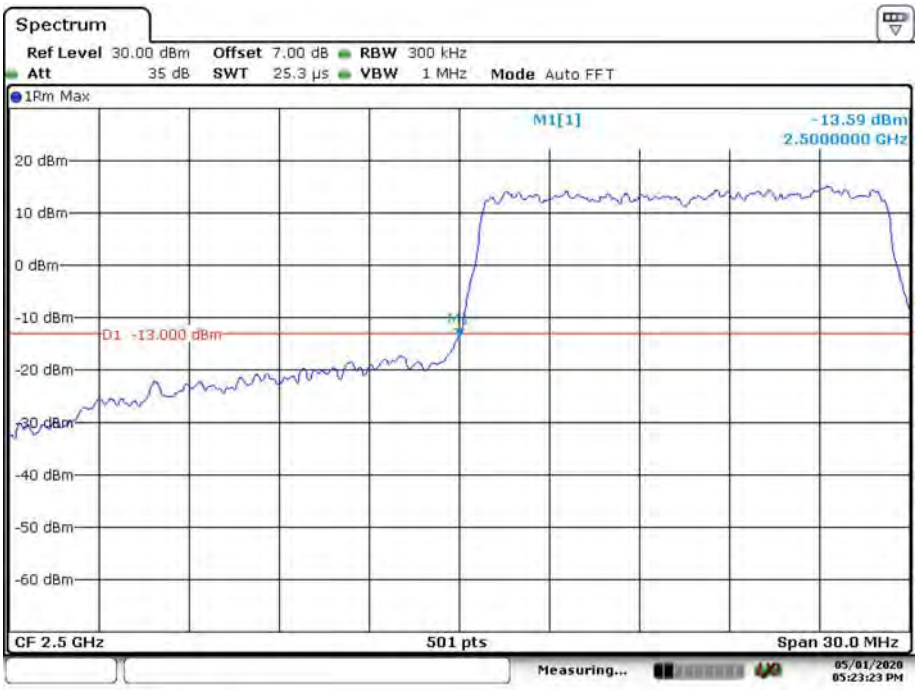
Date: 1.MAY.2020 17:19:50

16QAM_10MHz_ 50 RB_ Right



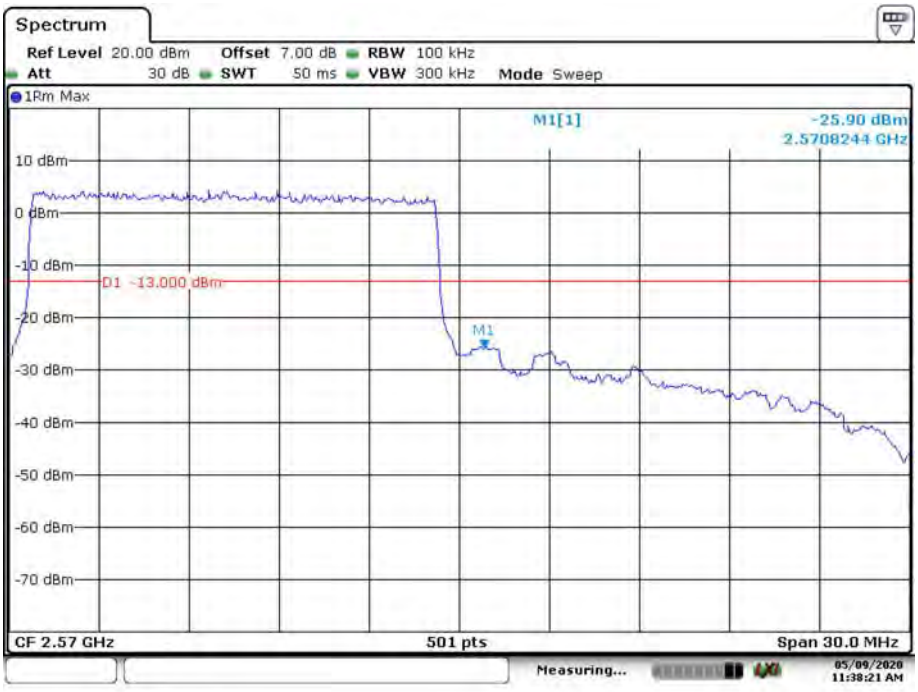
Date: 1.MAY.2020 17:21:41

16QAM_15MHz_ 75 RB_ Left



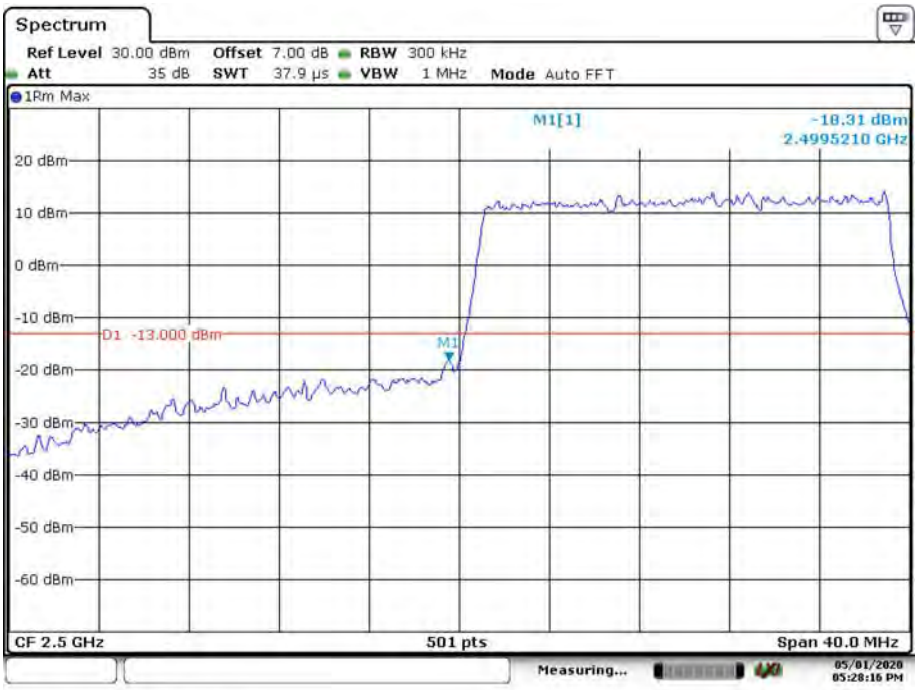
Date: 1.MAY.2020 17:23:23

16QAM_15MHz_ 75 RB_ Right



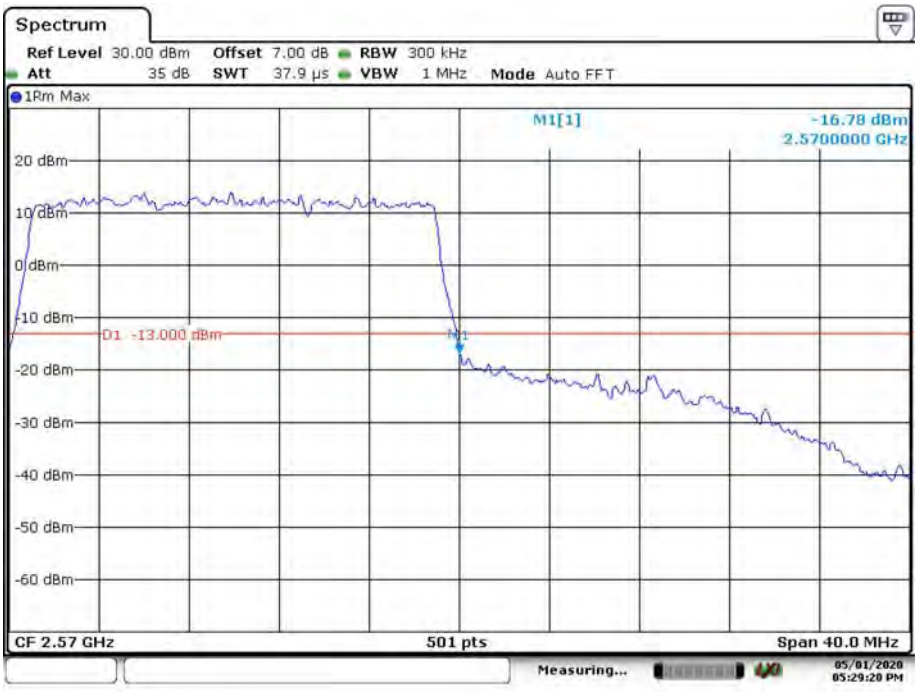
Date: 9.MAY.2020 11:38:21

16QAM_20MHz_ FULL RB_ Left



Date: 1.MAY.2020 17:28:16

16QAM_20MHz_ FULL RB_ Right



Date: 1.MAY.2020 17:29:20

LTE Band 12

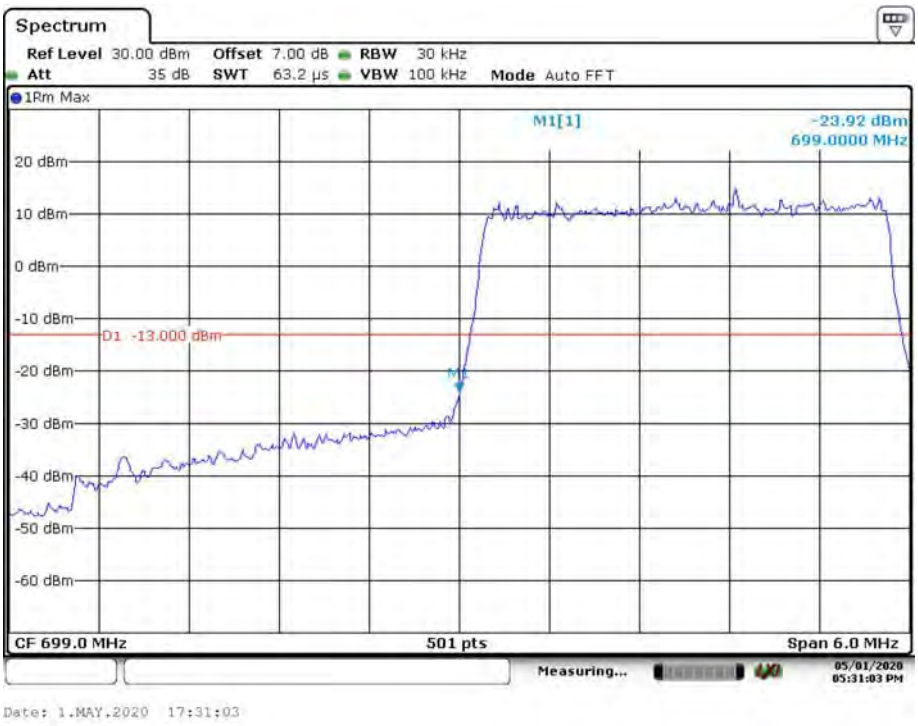
QPSK_1.4MHz_ 6 RB_ Left

Date: 1.MAY.2020 17:29:39

QPSK_1.4MHz_ 6 RB_ Right

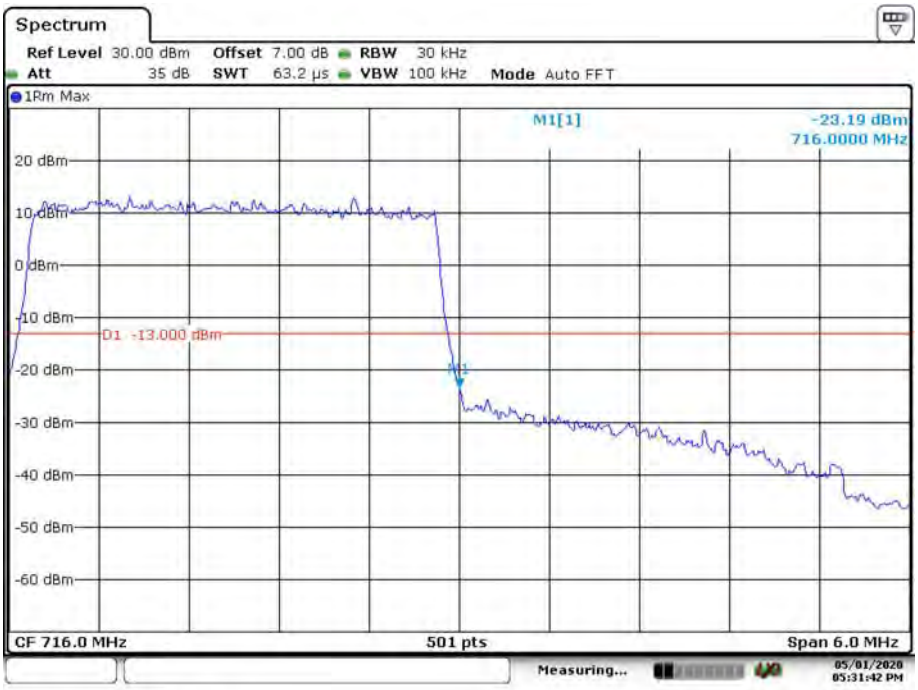
Date: 1.MAY.2020 17:30:24

QPSK_3MHz_ 15 RB_ Left



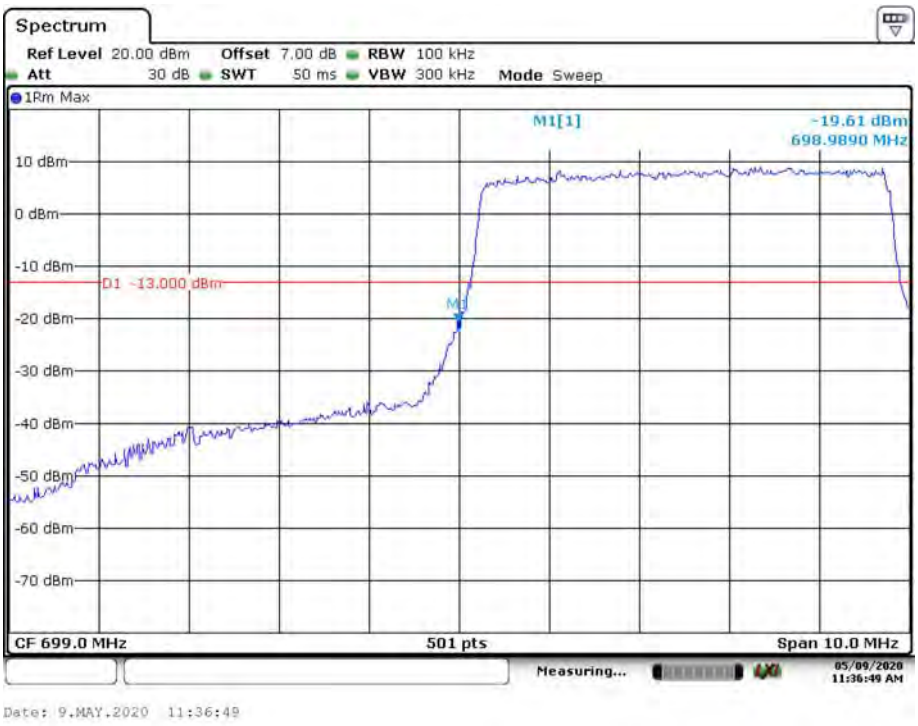
Date: 1.MAY.2020 17:31:03

QPSK_3MHz_ 15 RB_ Right



Date: 1.MAY.2020 17:31:42

QPSK_5MHz_ 25 RB_ Left

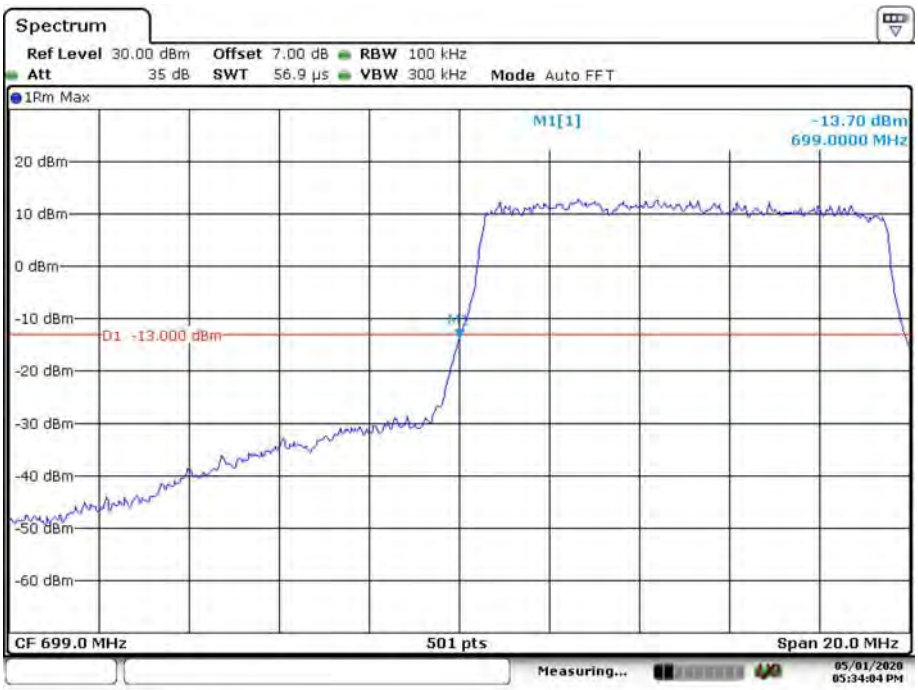


Date: 9.MAY.2020 11:36:49

QPSK_5MHz_ 25 RB_ Right

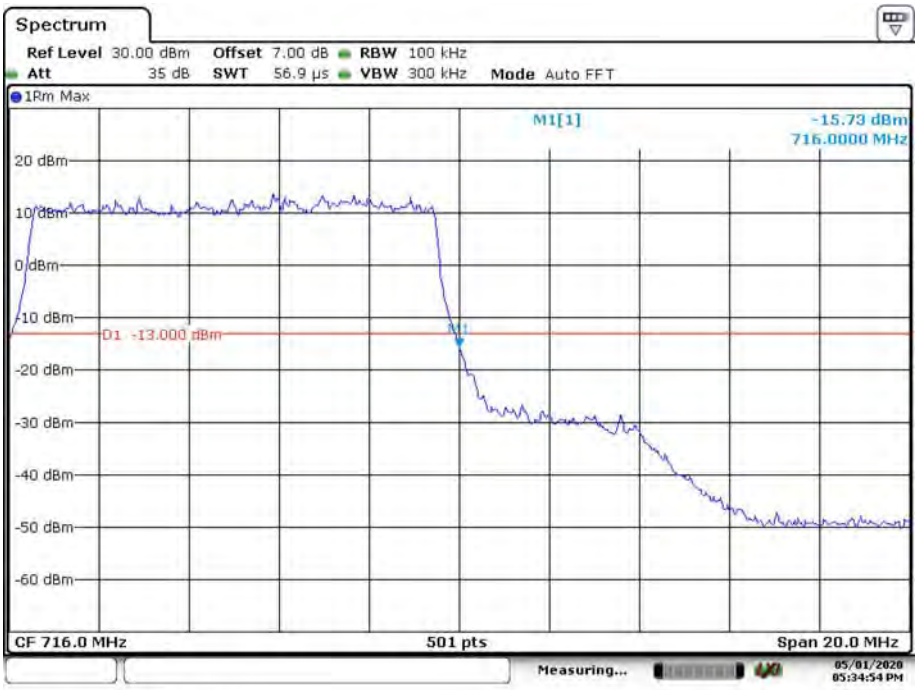
Date: 9.MAY.2020 11:35:09

QPSK_10MHz_ 50 RB_ Left



Date: 1.MAY.2020 17:34:04

QPSK_10MHz_ 50 RB_ Right

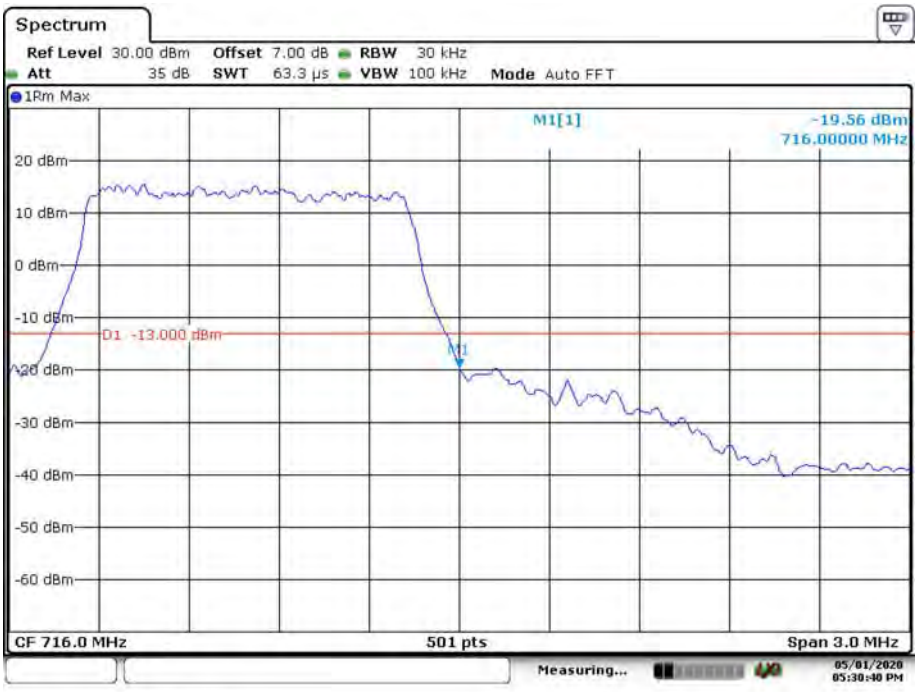


Date: 1.MAY.2020 17:34:54

16QAM_1.4MHz_ 6 RB_ Left

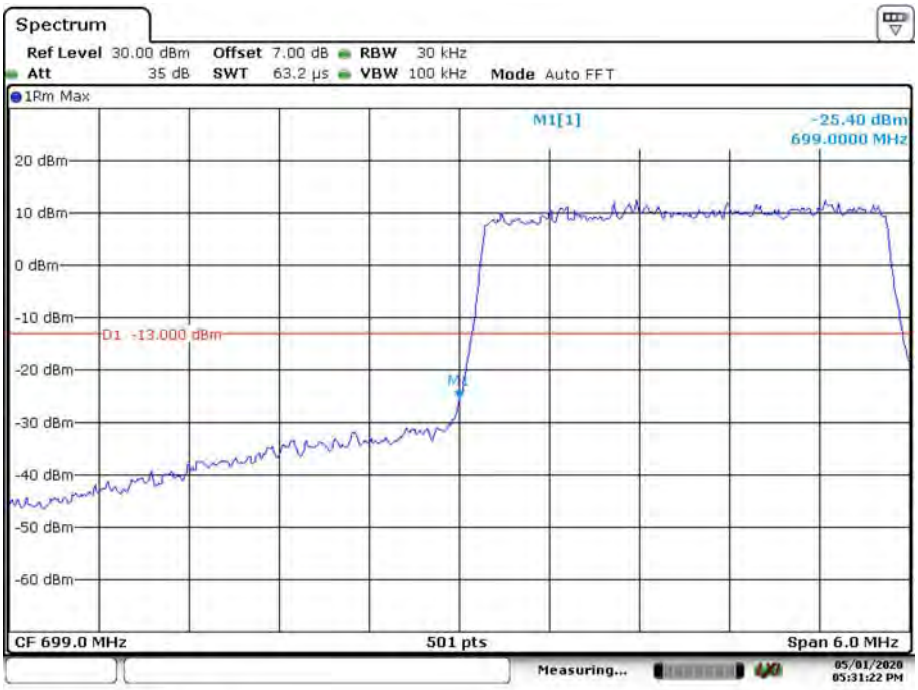
Date: 1.MAY.2020 17:30:01

16QAM_1.4MHz_ 6 RB_ Right



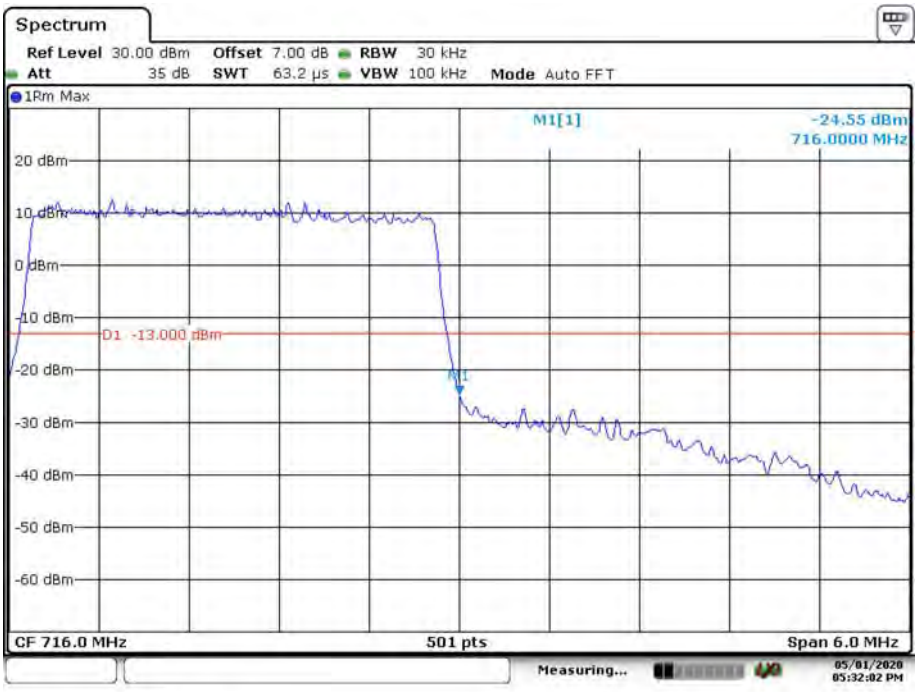
Date: 1.MAY.2020 17:30:40

16QAM_3MHz_ 15 RB_ Left



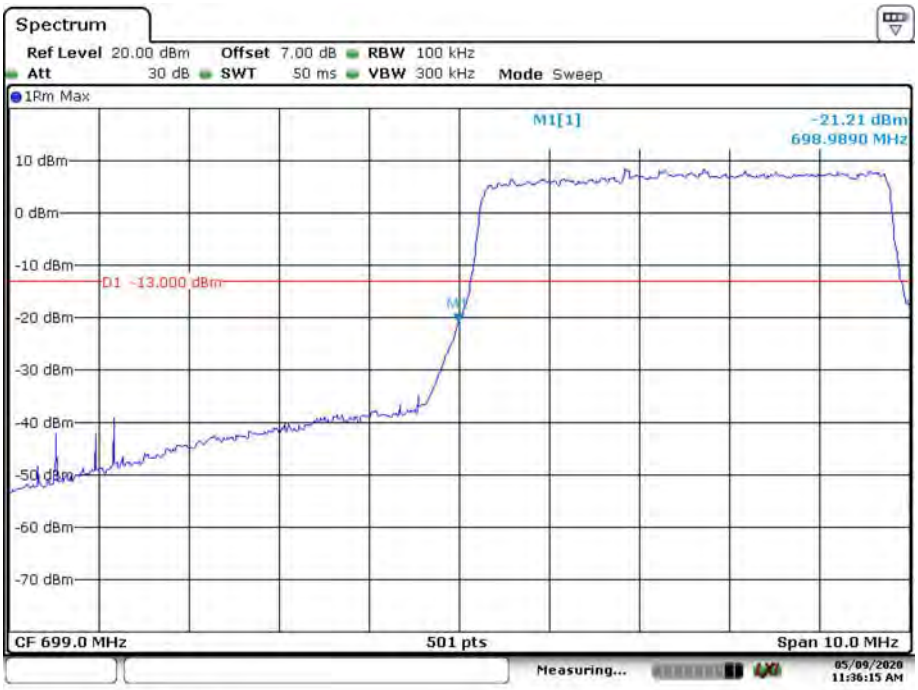
Date: 1.MAY.2020 17:31:22

16QAM_3MHz_ 15 RB_ Right



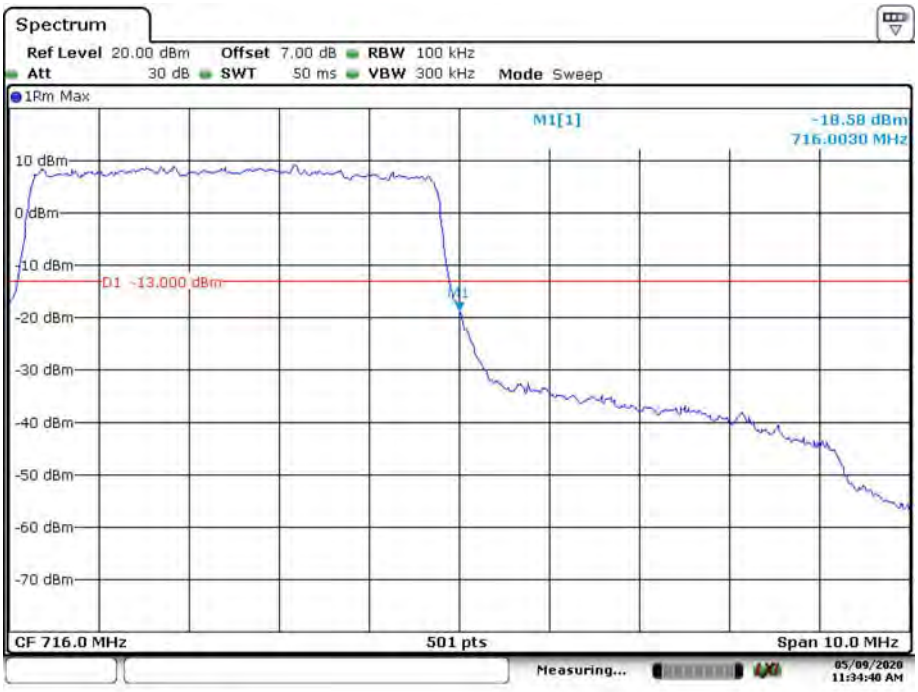
Date: 1.MAY.2020 17:32:02

16QAM_5MHz_ 25 RB_ Left



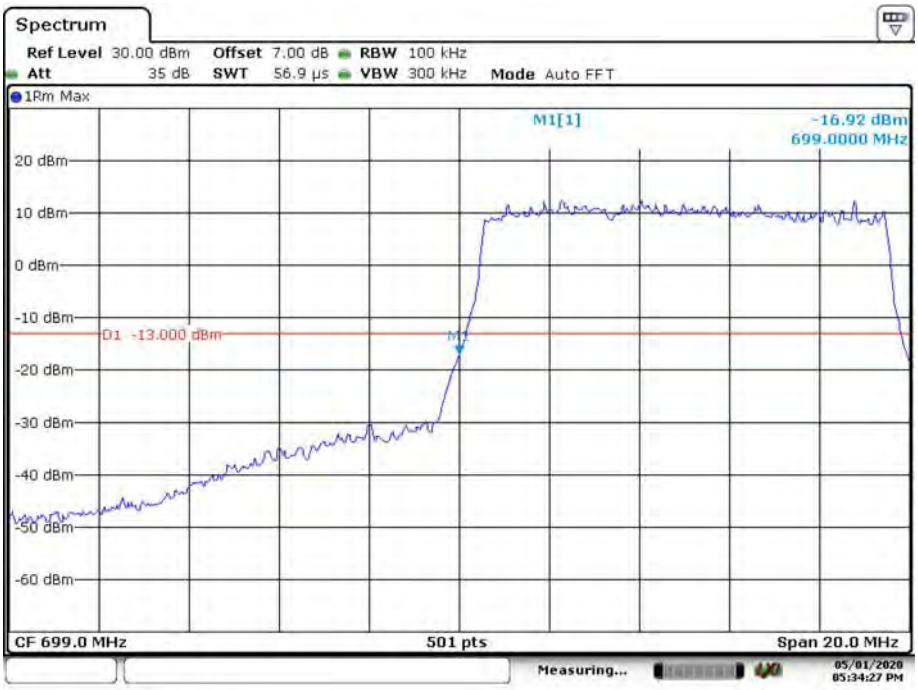
Date: 9.MAY.2020 11:36:15

16QAM_5MHz_ 25 RB_ Right



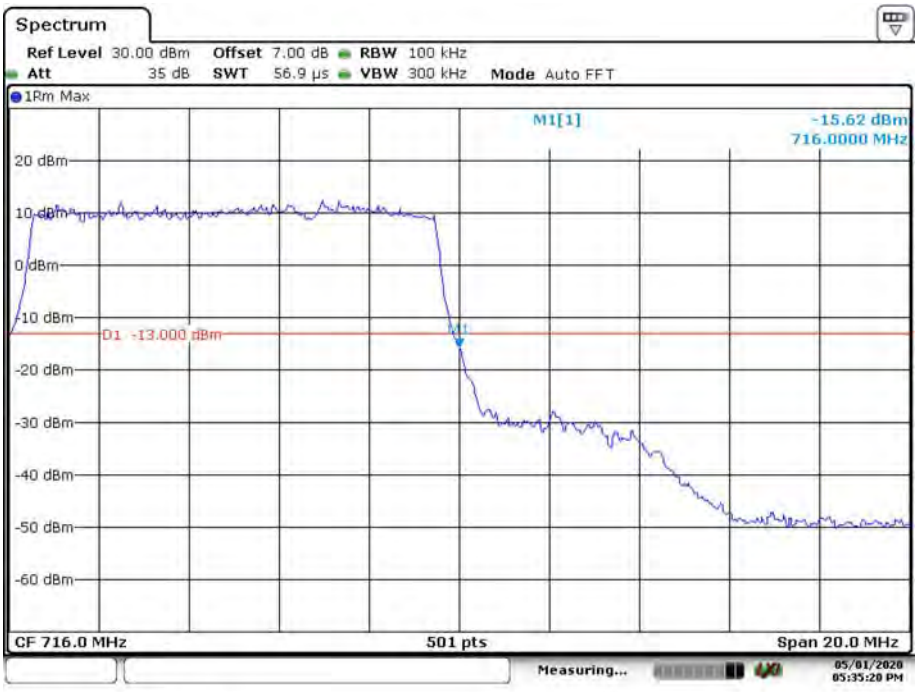
Date: 9.MAY.2020 11:34:40

16QAM_10MHz_ 50 RB_ Left



Date: 1.MAY.2020 17:34:27

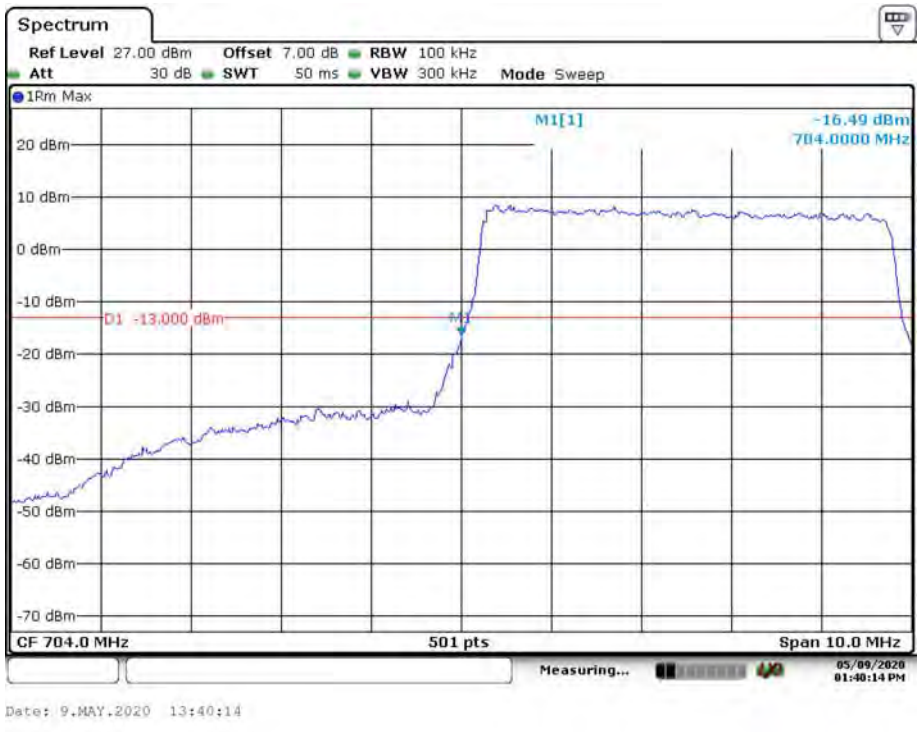
16QAM_10MHz_ 50 RB_ Right



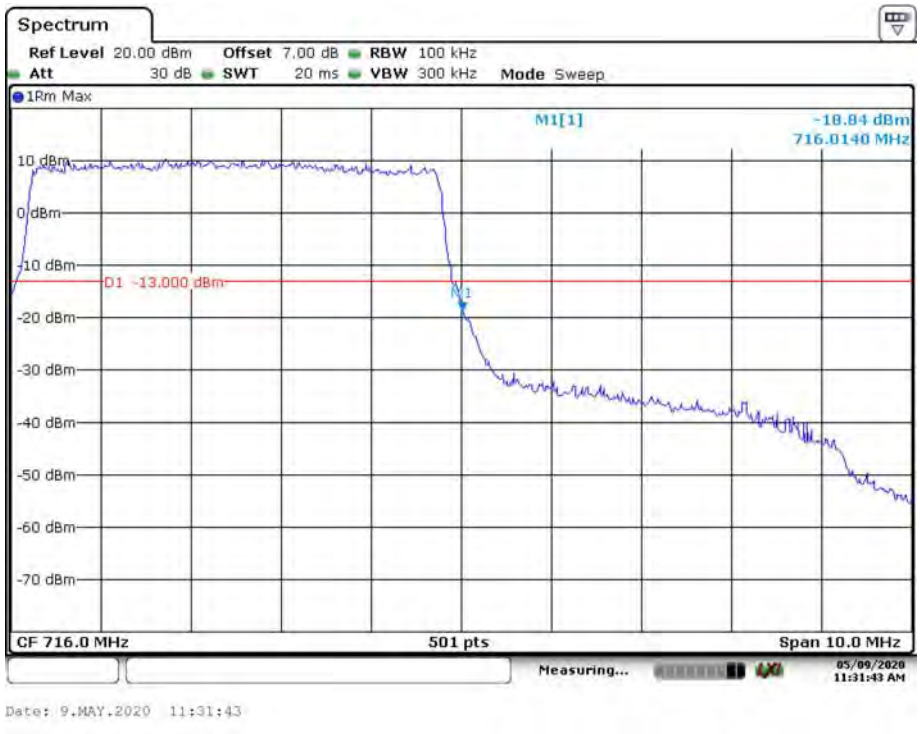
Date: 1.MAY.2020 17:35:20

LTE Band 17

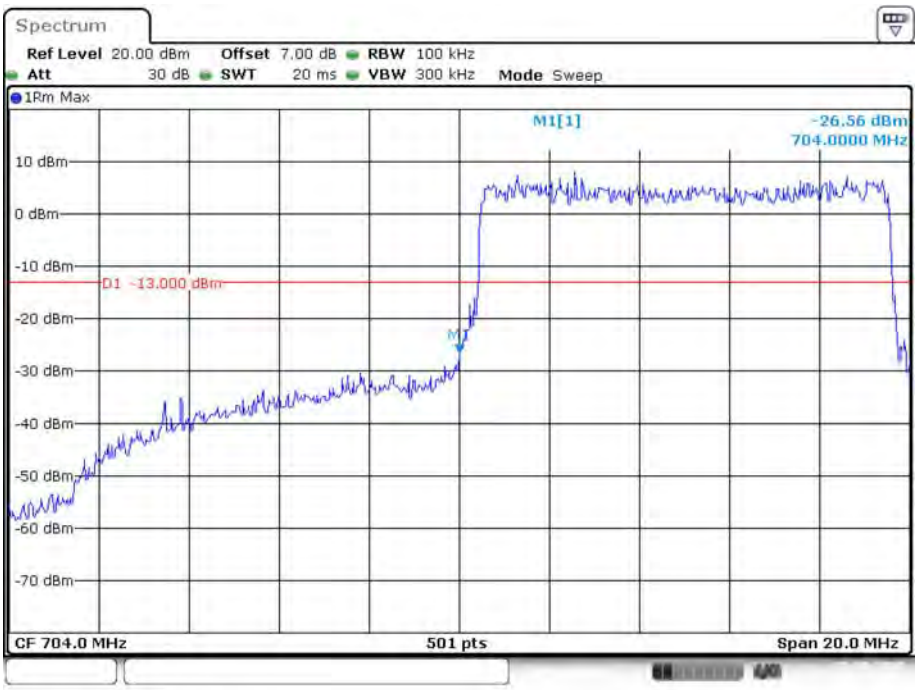
QPSK_5MHz_ 25 RB_ Left



QPSK_5MHz_ 25 RB_ Right

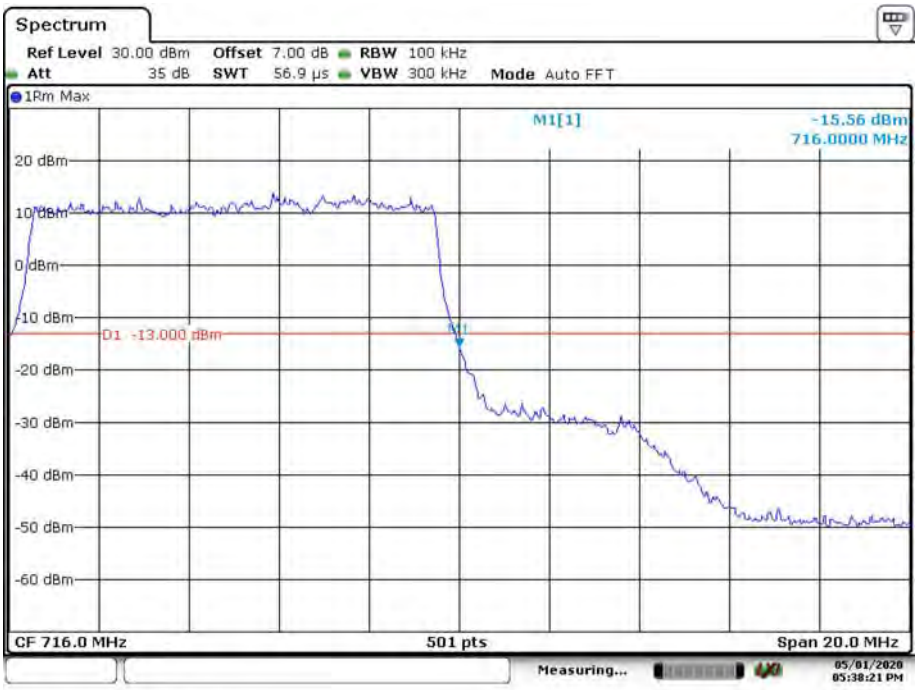


QPSK_10MHz_ 50 RB_ Left



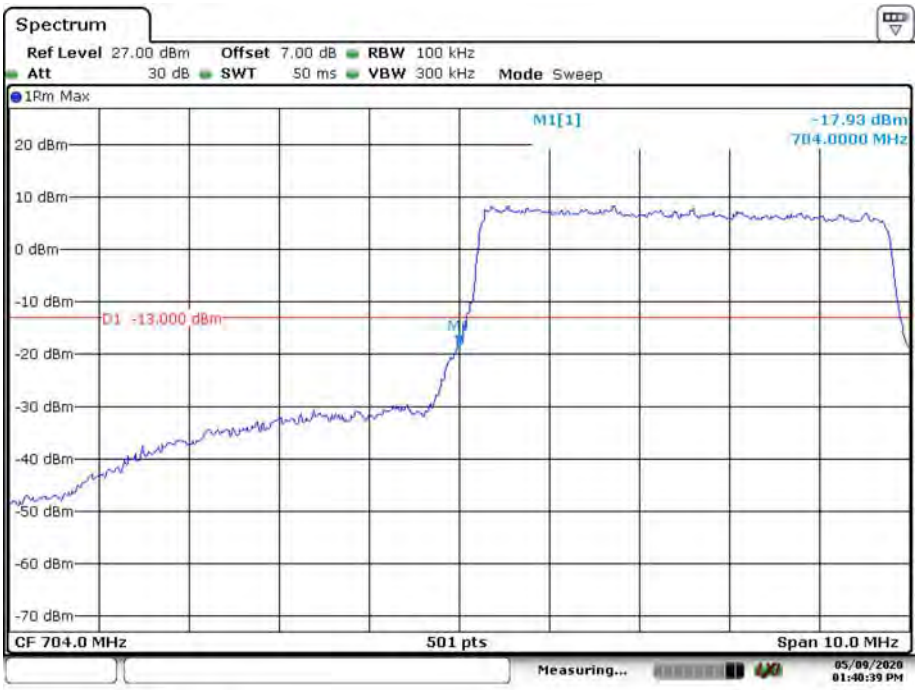
Date: 9.MAY.2020 11:29:10

QPSK_10MHz_ 50 RB_ Right



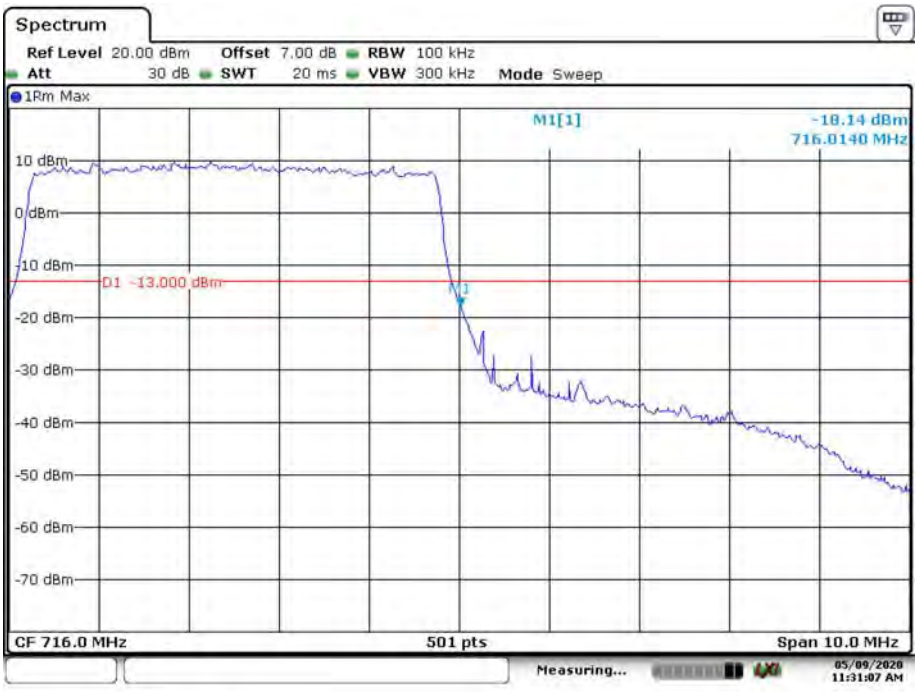
Date: 1.MAY.2020 17:38:21

16QAM_5MHz_ 25 RB_ Left



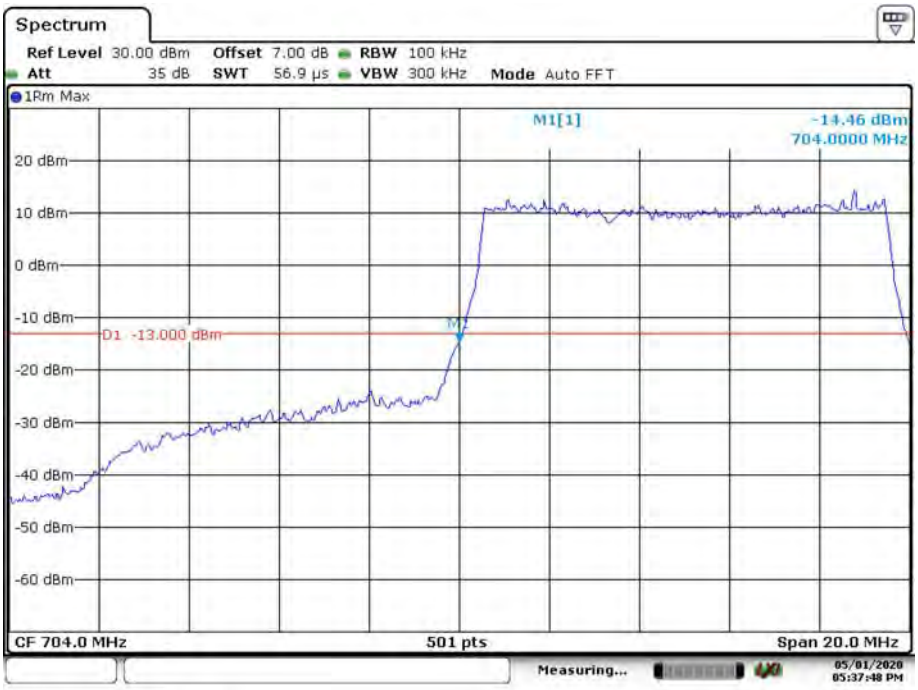
Date: 9.MAY.2020 13:40:40

16QAM_5MHz_ 25 RB_ Right



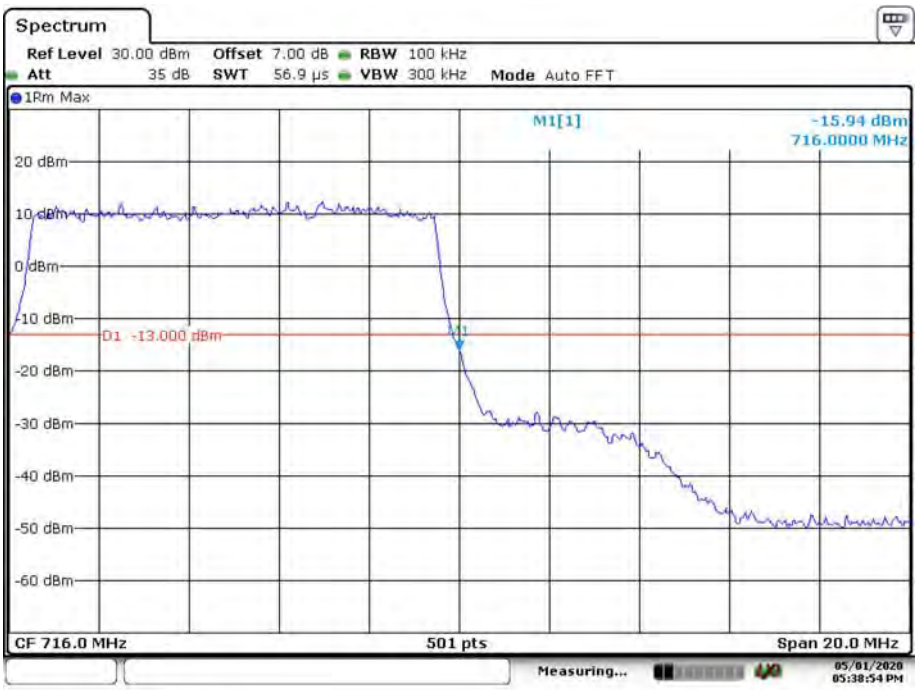
Date: 9.MAY.2020 11:31:07

16QAM_10MHz_ 50 RB_ Left



Date: 1.MAY.2020 17:37:48

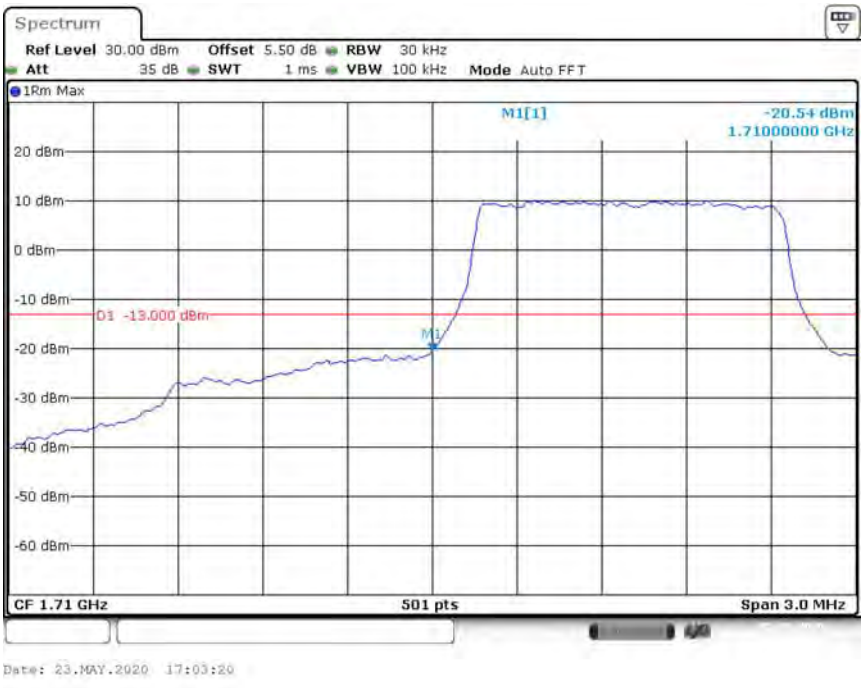
16QAM_10MHz_ 50 RB_ Right



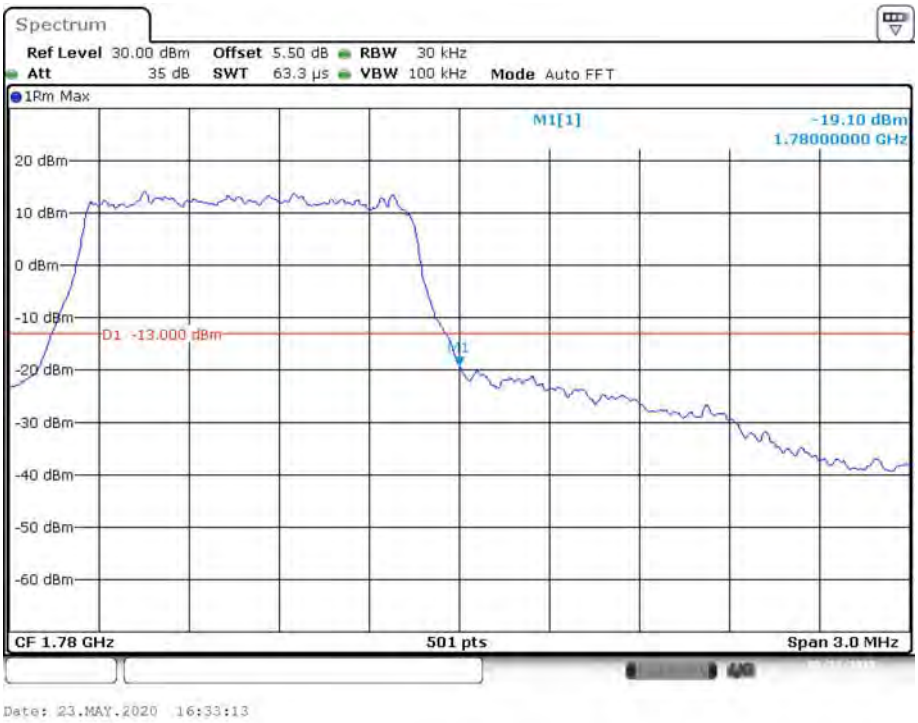
Date: 1.MAY.2020 17:38:54

LTE Band 66

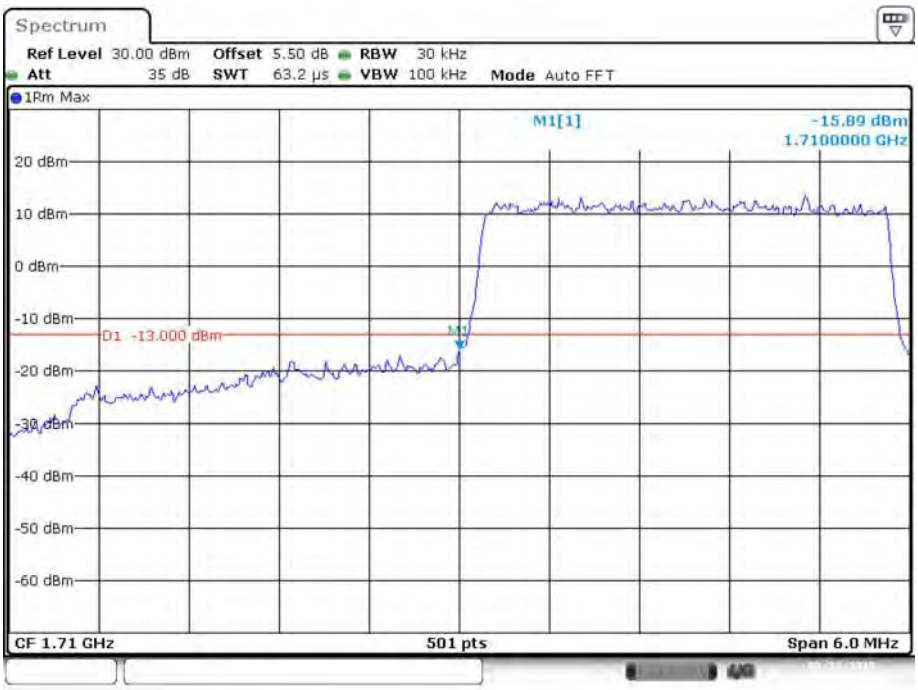
QPSK_1.4MHz_ 6 RB_ Left



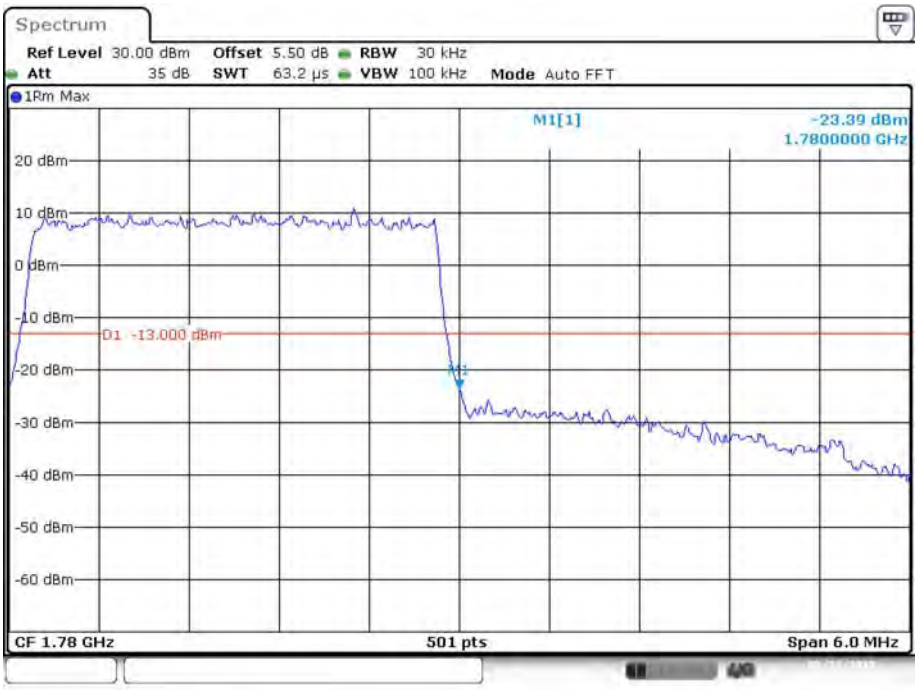
QPSK_1.4MHz_ 6 RB_ Right



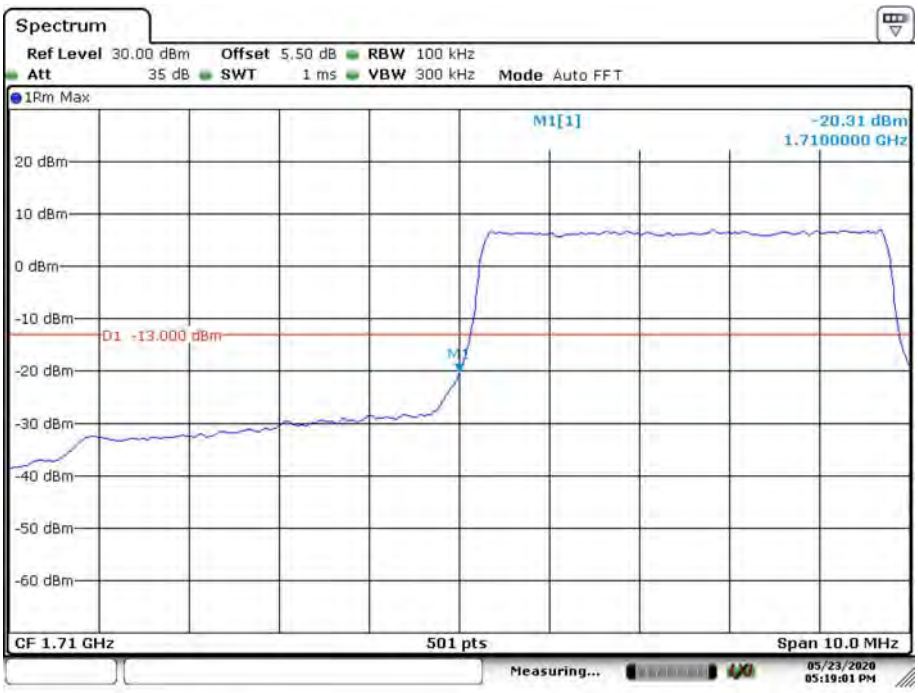
QPSK_3MHz_ 15 RB_ Left



QPSK_3MHz_ 15 RB_ Right



QPSK_5MHz_ 25 RB_ Left

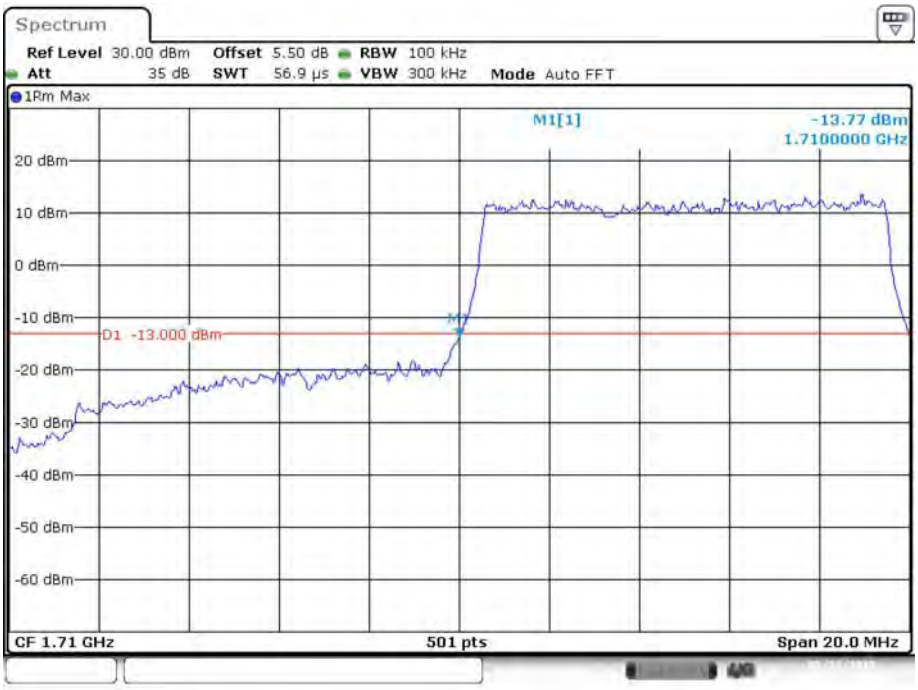


Date: 23.MAY.2020 17:19:01

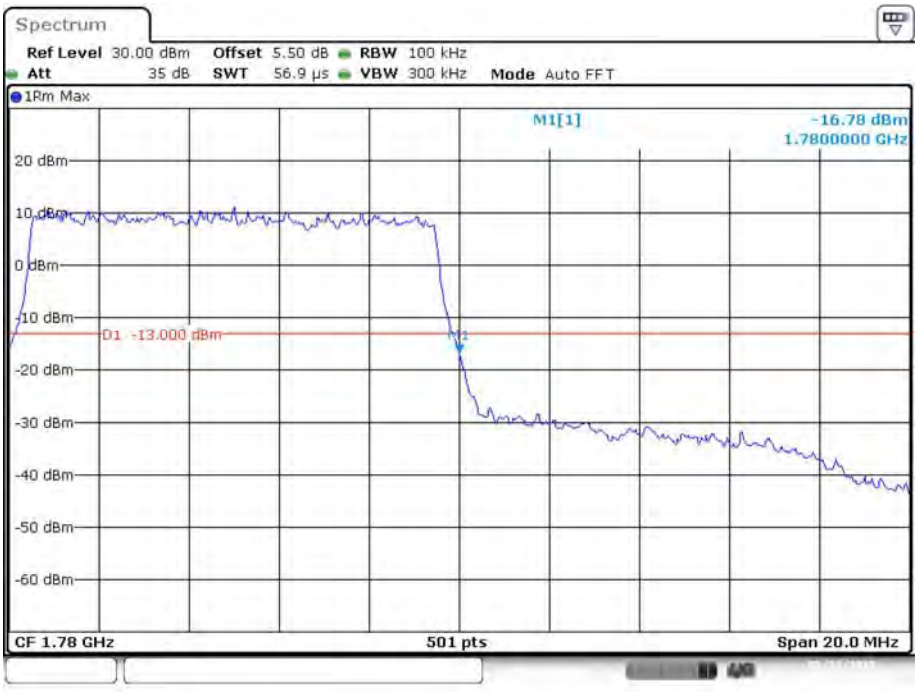
QPSK_5MHz_ 25 RB_ Right

Date: 23.MAY.2020 17:22:39

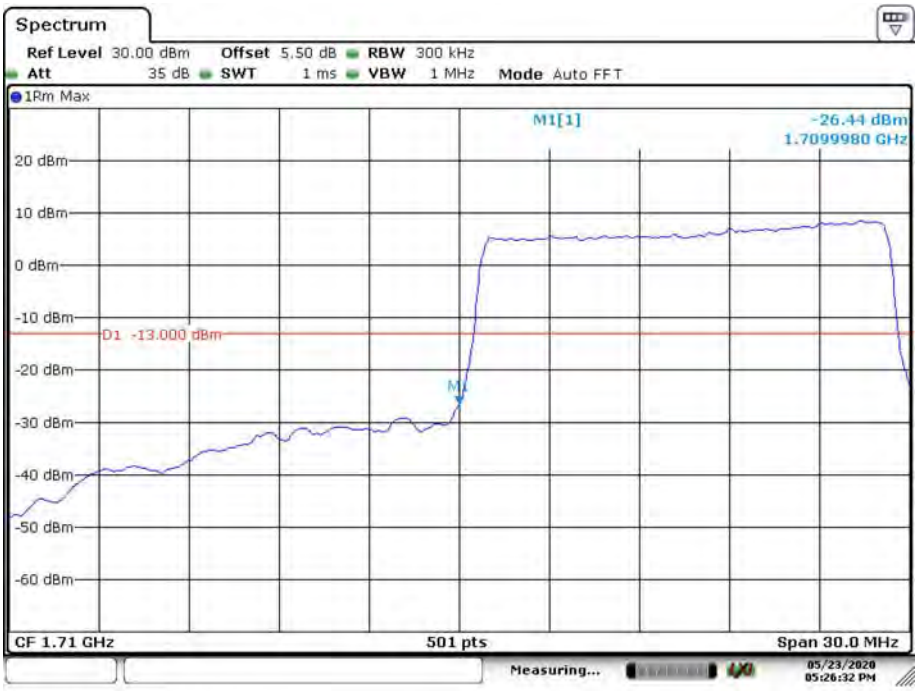
QPSK_10MHz_ 50 RB_ Left



QPSK_10MHz_ 50 RB_ Right



QPSK_15MHz_ 75 RB_ Left

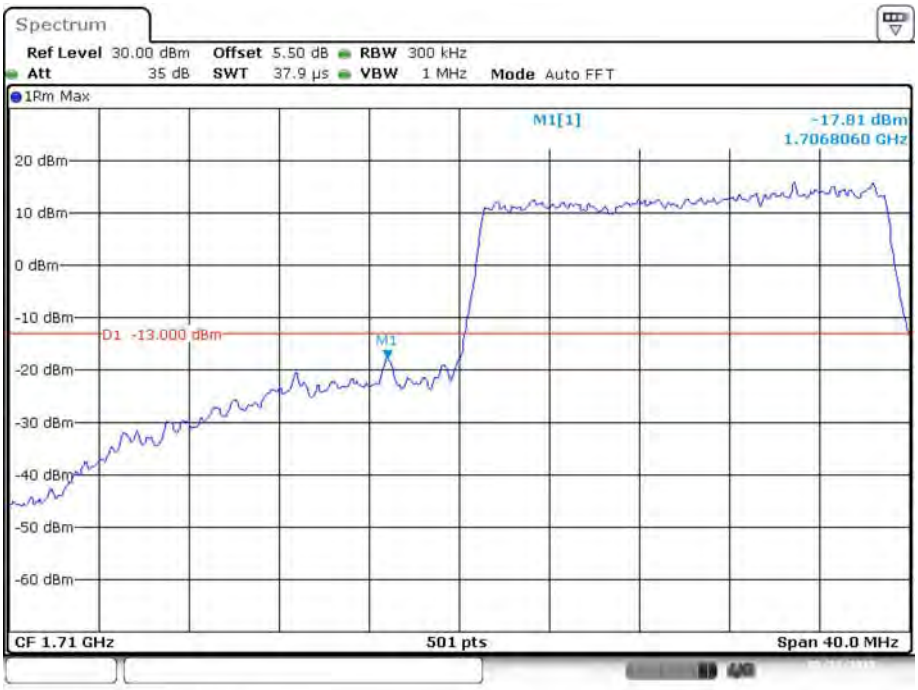


Date: 23.MAY.2020 17:26:32

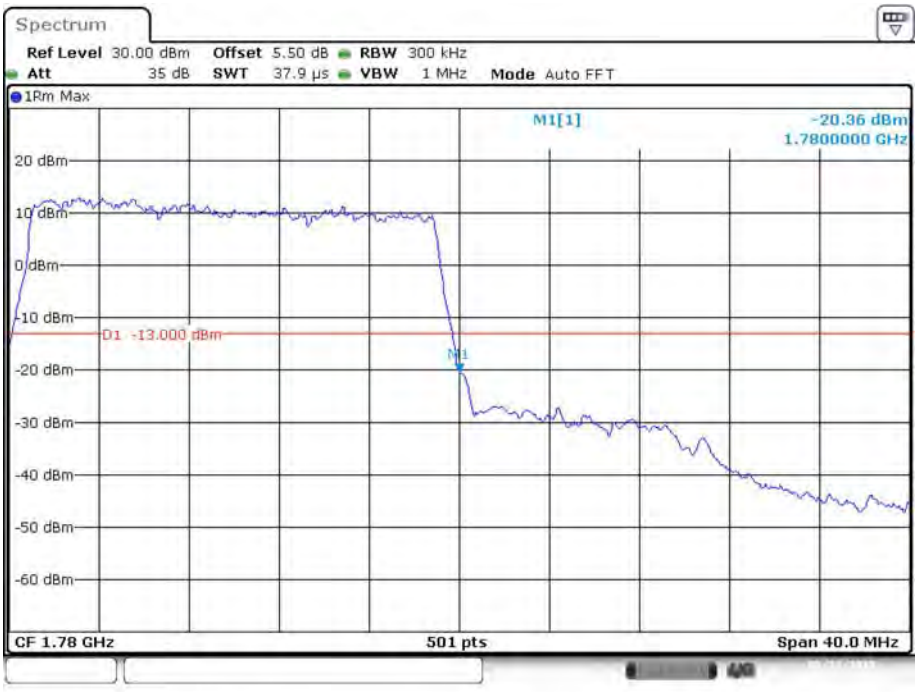
QPSK_15MHz_ 75 RB_ Right

Date: 23.MAY.2020 17:30:05

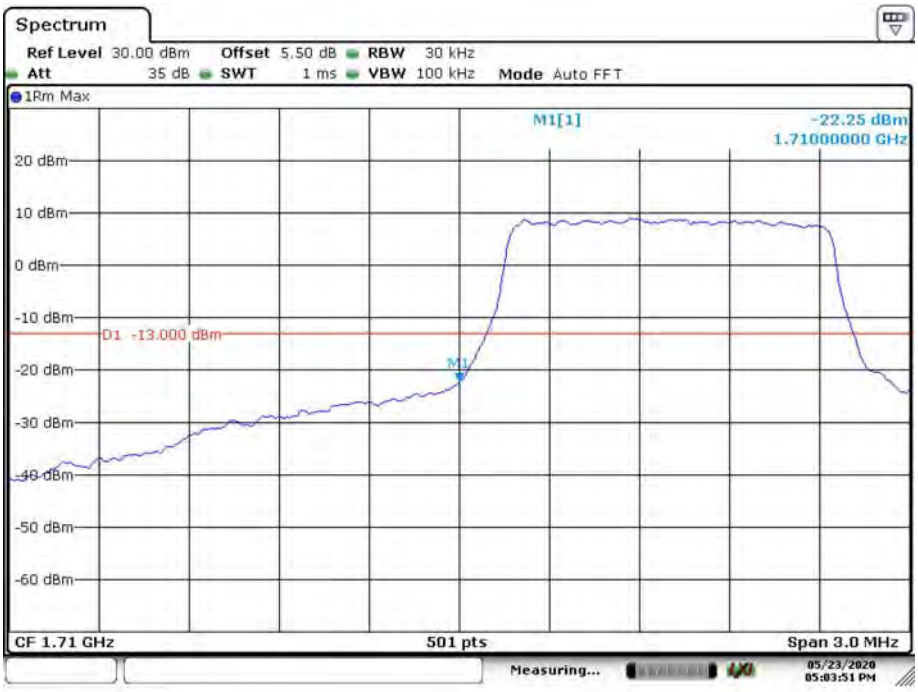
QPSK_20MHz_ FULL RB_ Left



QPSK_20MHz_ FULL RB_ Right

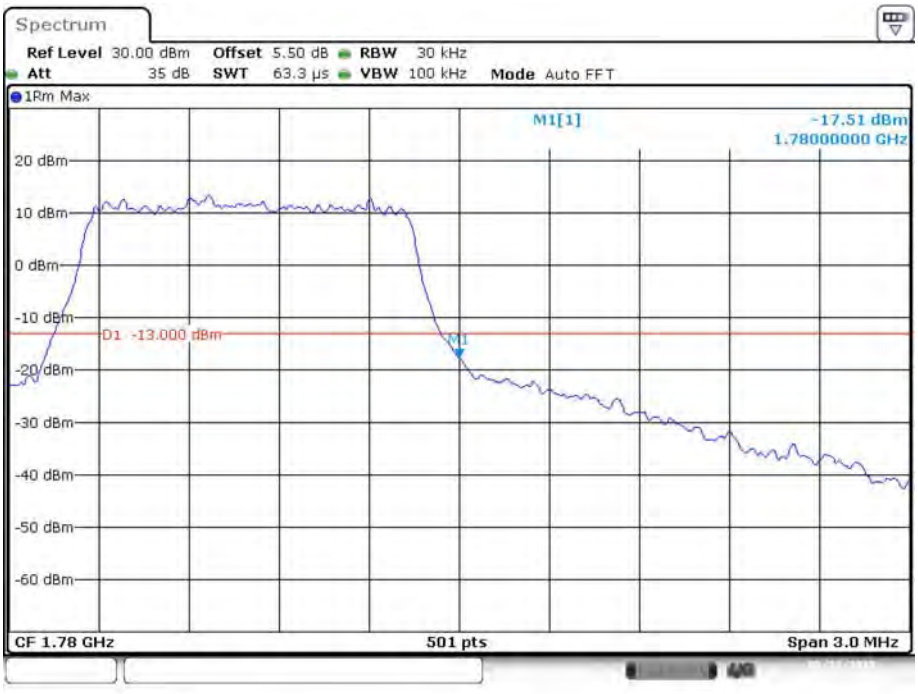


16QAM_1.4MHz_ 6 RB_ Left



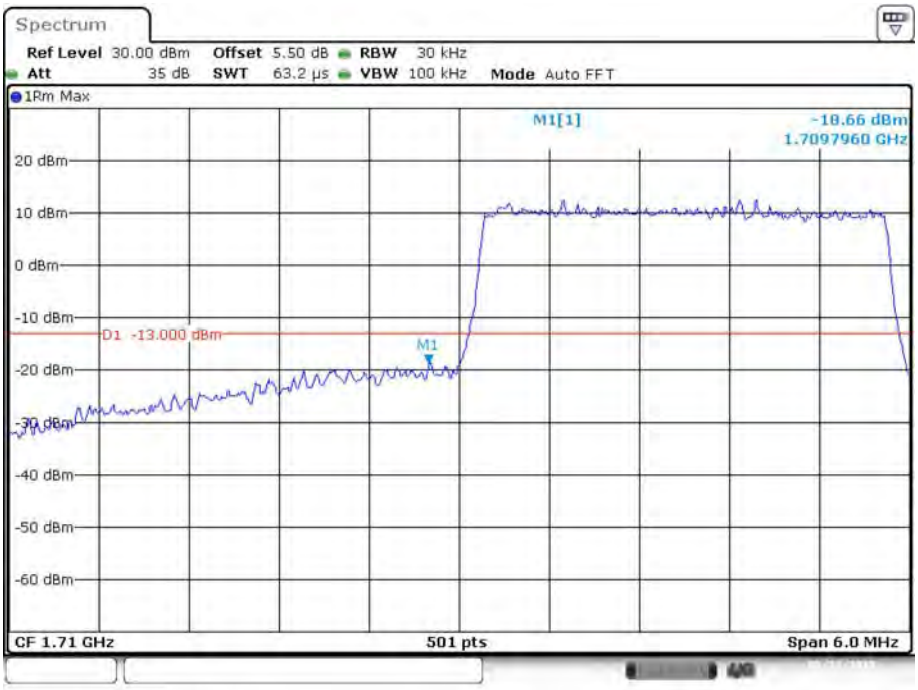
Date: 23.MAY.2020 17:03:51

16QAM_1.4MHz_ 6 RB_ Right

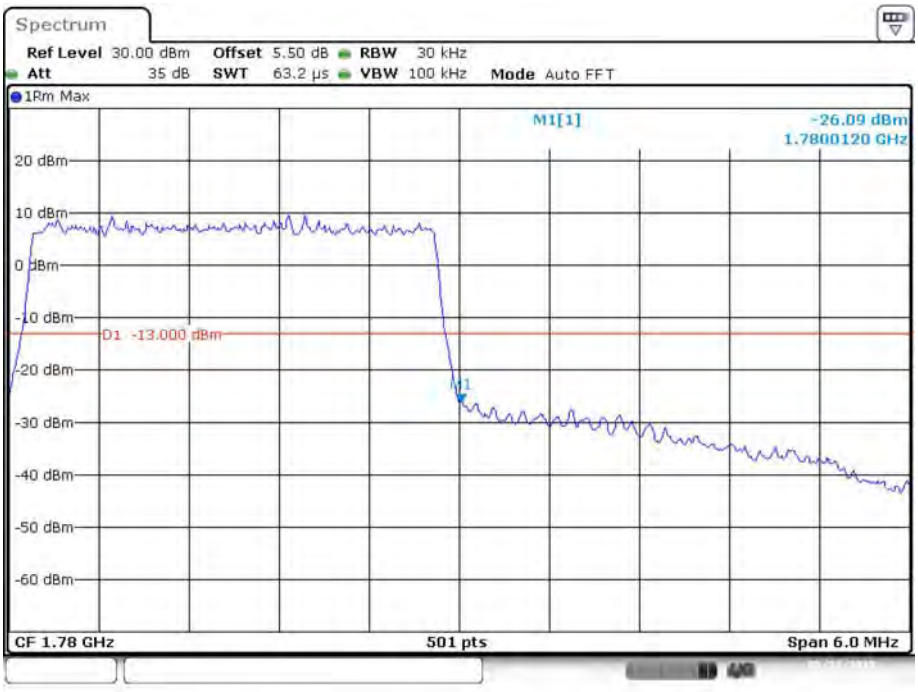


Date: 23.MAY.2020 16:33:32

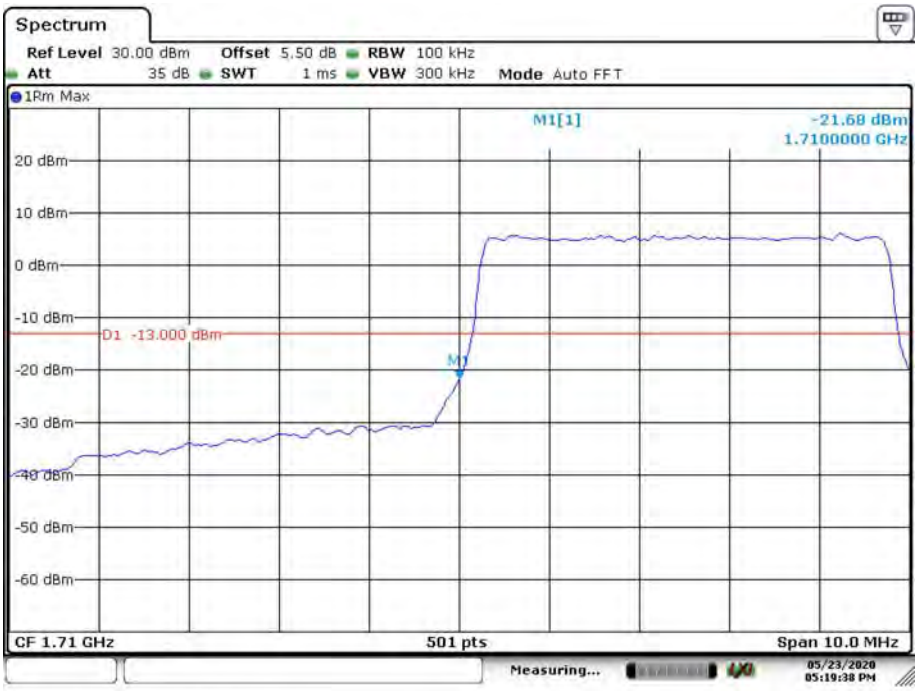
16QAM_3MHz_ 15 RB_ Left



16QAM_3MHz_ 15 RB_ Right

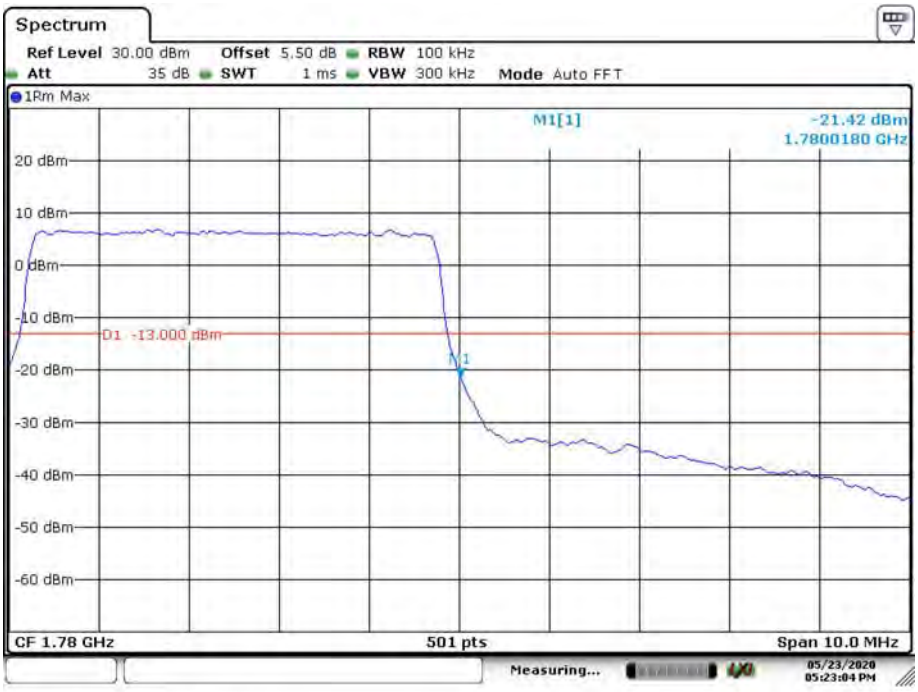


16QAM_5MHz_ 25 RB_ Left



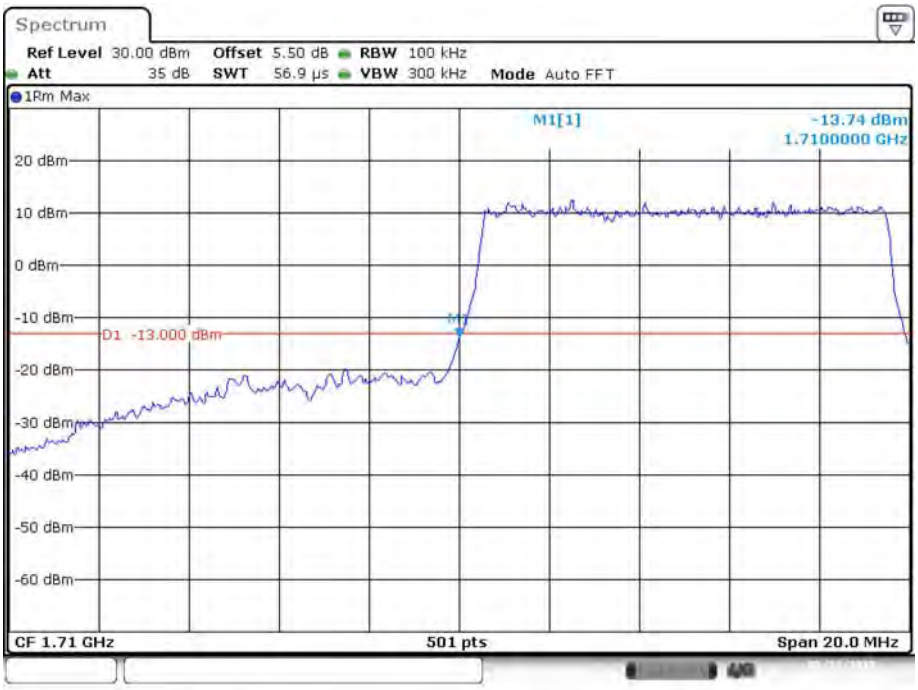
Date: 23.MAY.2020 17:19:38

16QAM_5MHz_ 25 RB_ Right

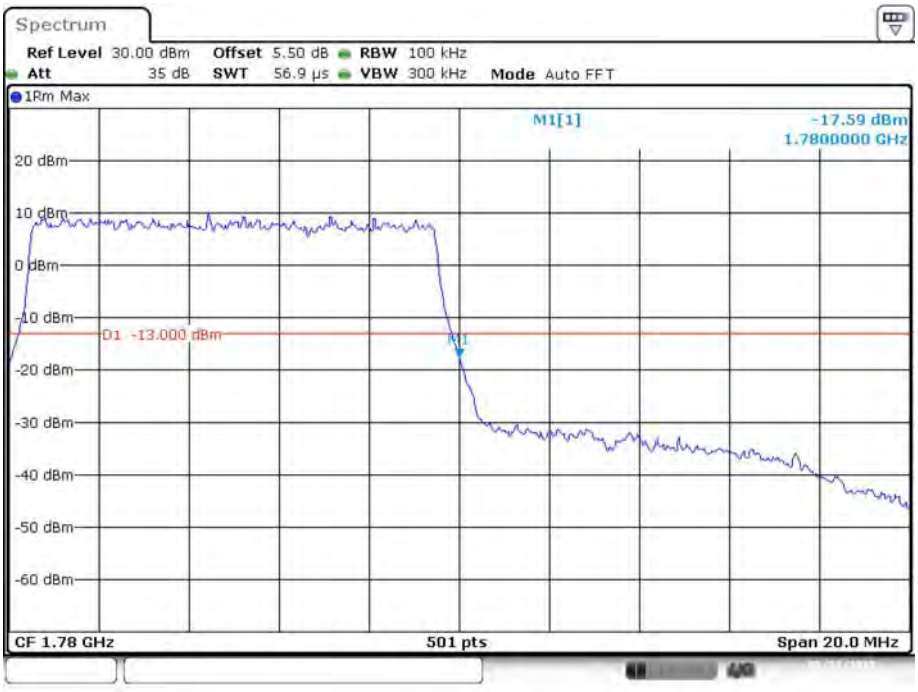


Date: 23.MAY.2020 17:23:04

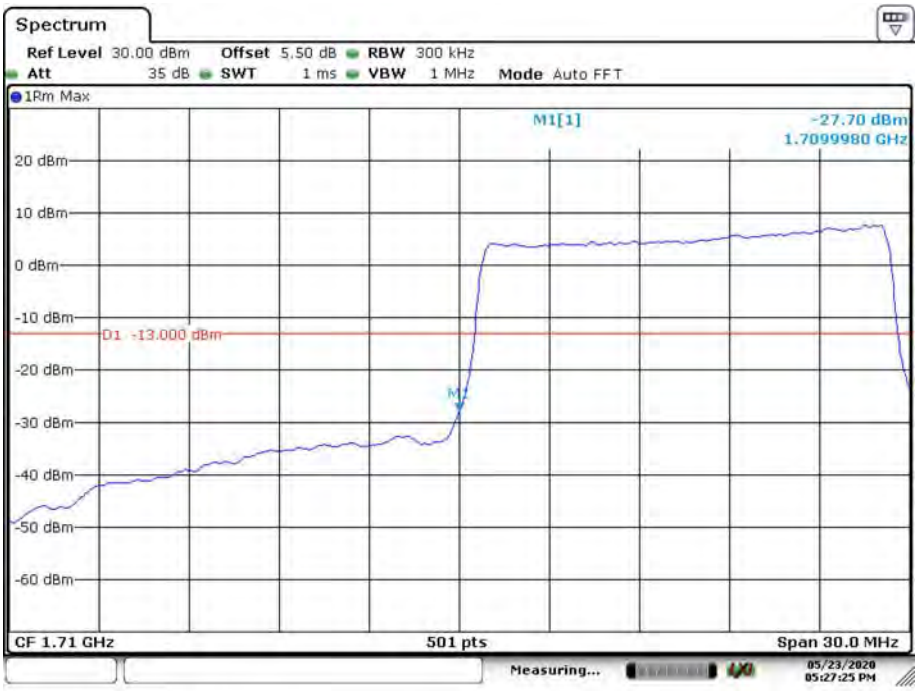
16QAM_10MHz_ 50 RB_ Left



16QAM_10MHz_ 50 RB_ Right



16QAM_15MHz_ 75 RB_ Left

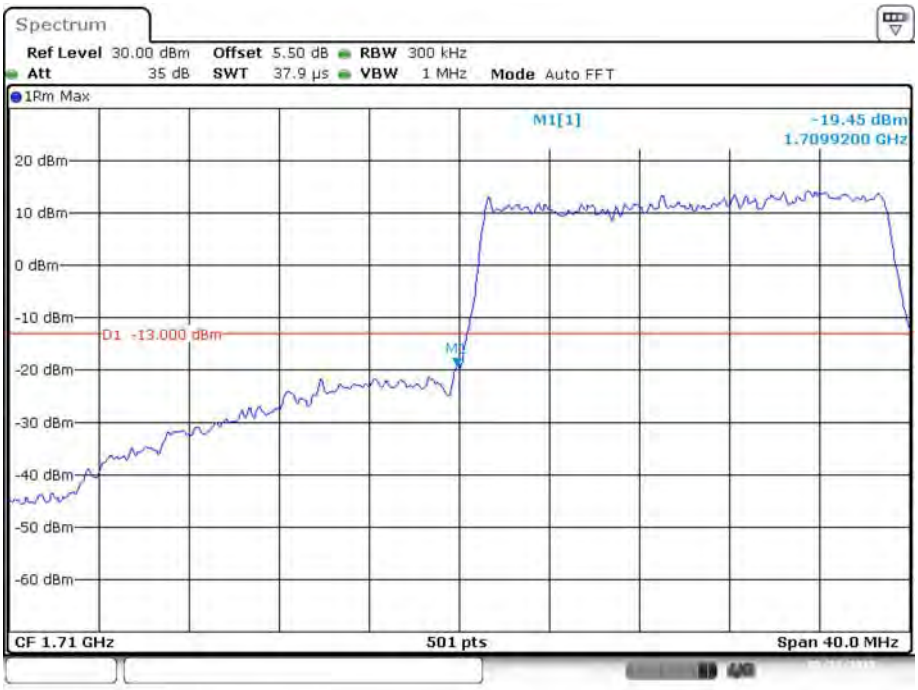


Date: 23.MAY.2020 17:27:25

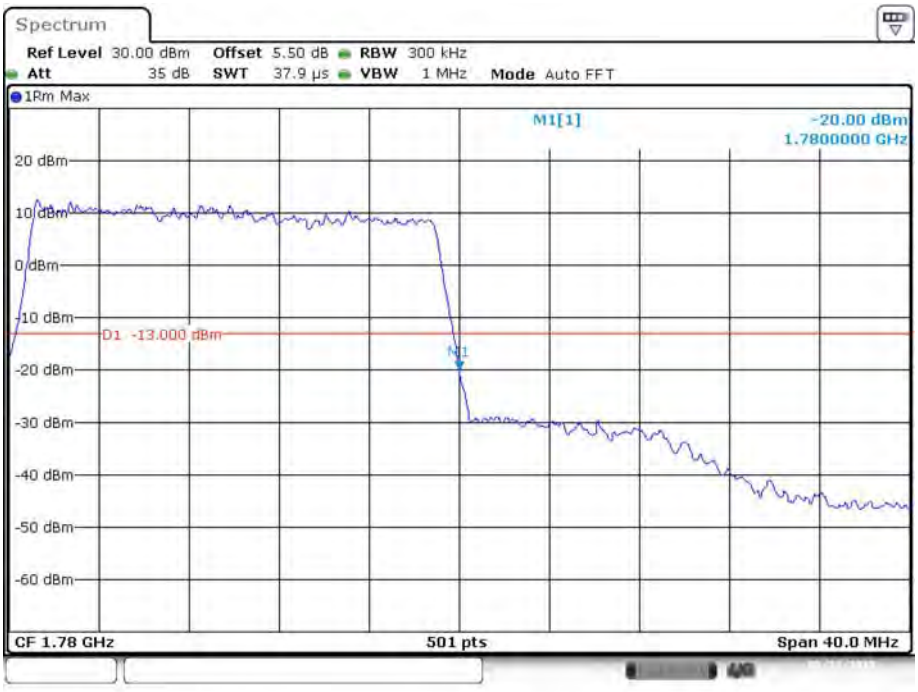
16QAM_15MHz_ 75 RB_ Right

Date: 23.MAY.2020 17:30:23

16QAM_20MHz_ FULL RB_ Left



16QAM_20MHz_ FULL RB_ Right



FCC §2.1055, §22.355 & §24.235 & §27.54 - FREQUENCY STABILITY

Applicable Standard

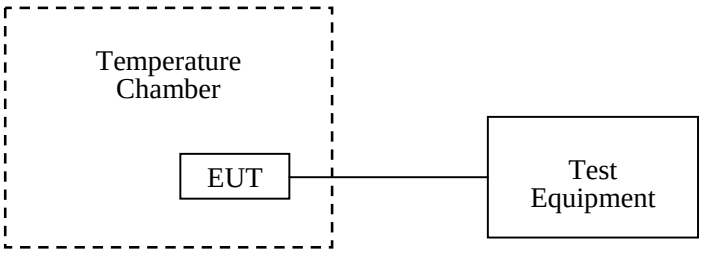
FCC § 2.1055 (a), § 2.1055 (d), §22.355, §24.235, §27.54

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set from 85% to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2020-01-09	2021-01-09
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	Each time	/
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	Each time	/
Unknown	Coaxial Cable	C-SJ00-0010	C0010/03	Each time	/
E-Microwave	Two-way Spliter	ODP-1-6-2S	OE0120142	Each time	/
R&S	Universal Radio Communication Tester	CMU200	110 822	2019-09-12	2020-09-12
R&S	Wideband Radio Communication Tester	CMW500	149216	2019-09-12	2020-09-12
ESPEC	Constant temperature and humidity Tester	ESX-4CA	018 463	2020-03-26	2021-03-26
UNI-T	Multimeter	UT39A	M130199938	2019-07-24	2020-07-24
Pro instrument	DC Power Supply	pps3300	3300012	N/A	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	26.4～27.3°C
Relative Humidity:	61～63 %
ATM Pressure:	98.8～100.5kPa
Tester:	Fay Hu, Lily Xie
Test Date:	2020-05-09～2020-05-23

Test Result: Compliance.

Cellular Band

GMSK, Middle Channel, f_c = 836.6 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Limit**
℃	**V_{DC}**	**Hz**	**ppm**	**ppm**
-30	3.8	29	0.03466	2.5
-20		6	0.00717	
-10		8	0.00956	
0		2	0.00239	
10		33	0.03945	
20		19	0.02271	
30		41	0.04901	
40		19	0.02271	
50		40	0.04781	
20	3.6	13	0.01554	
20	4.35	36	0.04303	

EGPRS, Middle Channel, f_c = 836.6 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Limit**
℃	**V_{DC}**	**Hz**	**ppm**	**ppm**
-30	3.8	40	0.04781	2.5
-20		27	0.03227	
-10		31	0.03705	
0		29	0.03466	
10		42	0.05020	
20		23	0.02749	
30		18	0.02152	
40		25	0.02988	
50		17	0.02032	
20	3.6	17	0.02032	
20	4.35	2	0.00239	

PCS Band

GMSK, Middle Channel, f_c = 1880.0 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Results**
℃	**V_{DC}**	**Hz**	**ppm**	
-30	3.8	11	0.00585	Pass
-20		31	0.01649	
-10		2	0.00106	
0		1	0.00053	
10		22	0.01170	
20		38	0.02021	
30		36	0.01915	
40		35	0.01862	
50		37	0.01968	
20	3.6	42	0.02234	
20	4.35	11	0.00585	

EGPRS, Middle Channel, f_c = 1880.0 MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Results
℃	V_{DC}	Hz	ppm	
-30	3.8	41	0.02181	Pass
-20		1	0.00053	
-10		39	0.02074	
0		1	0.00053	
10		17	0.00904	
20		27	0.01436	
30		40	0.02128	
40		28	0.01489	
50		9	0.00479	
20	3.6	19	0.01011	
20	4.35	48	0.02553	

WCDMA Band II: R99

Middle Channel, f_c = 1880.0 MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
℃	V_{DC}	Hz	ppm	
-30	3.8	47	0.02500	Pass
-20		4	0.00213	
-10		20	0.01064	
0		-1	-0.00053	
10		-35	-0.01862	
20		-14	-0.00745	
30		-37	-0.01968	
40		-21	-0.01117	
50		-45	-0.02394	
20	3.6	-34	-0.01809	
20	4.35	-19	-0.01011	

WCDMA Band Ⅳ: R99

Rel 99_Middle Channel					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	℃	MHz	MHz	MHz	MHz
3.8	-30	1710.659	1710	1754.307	1755
	-20	1710.660		1754.308	
	-10	1710.665		1754.311	
	0	1710.669		1754.310	
	10	1710.671		1754.307	
	20	1710.663		1754.308	
	30	1710.670		1754.308	
	40	1710.673		1754.308	
	50	1710.675		1754.309	
3.6	20	1710.676		1754.312	
4.35	20	1710.674		1754.315	

WCDMA Band Ⅴ: R99

Middle Channel, f_c = 836.6 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Limit**
℃	**V_{DC}**	**Hz**	**ppm**	**ppm**
-30	3.8	47	0.05618	2.5
-20		38	0.04542	
-10		12	0.01434	
0		10	0.01195	
10		41	0.04901	
20		-12	-0.01434	
30		-14	-0.01673	
40		26	0.03108	
50		36	0.04303	
20	3.6	2	0.00239	
20	4.35	42	0.05020	

LTE Band 2:

QPSK, Channel Bandwidth:10MHz Middle Channel, f_c = 1880 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Result**
℃	**V_{DC}**	**Hz**	**ppm**	
-30	3.8	-5.21	-0.0028	Pass
-20		5.81	0.0031	
-10		5.39	0.0029	
0		6.00	0.0032	
10		7.56	0.004	
20		6.70	0.0036	
30		-5.79	-0.0031	
40		7.16	0.0038	
50		8.27	0.0044	
20	3.6	6.30	0.0034	
20	4.35	5.95	0.0032	

16QAM, Channel Bandwidth:10MHz Middle Channel, f_c =1880 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Result**
℃	**V_{DC}**	**Hz**	**ppm**	
-30	3.8	-12.39	-0.0066	Pass
-20		-7.51	-0.004	
-10		-7.06	-0.0038	
0		-8.34	-0.0044	
10		-7.44	-0.004	
20		6.04	0.0032	
30		-6.58	-0.0035	
40		5.00	0.0027	
50		-7.74	-0.0041	
20	3.6	-8.23	-0.0044	
20	4.35	-6.08	-0.0032	

LTE Band 4

QPSK, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	1710.528927	1710	1754.471118	1755
	-20	1710.528927		1754.471181	
	-10	1710.528999		1754.471208	
	0	1710.528972		1754.471280	
	10	1710.529044		1754.471334	
	20	1710.528900		1754.471100	
	30	1710.528972		1754.471127	
	40	1710.528999		1754.471181	
	50	1710.529044		1754.471154	
3.6	20	1710.529098		1754.471208	
4.35	20	1710.529098		1754.471181	

16QAM, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	1710.528945	1710	1754.471091	1755
	-20	1710.529026		1754.471100	
	-10	1710.529062		1754.471082	
	0	1710.529107		1754.471082	
	10	1710.529188		1754.471082	
	20	1710.528900		1754.511000	
	30	1710.528963		1754.471118	
	40	1710.528999		1754.471127	
	50	1710.529080		1754.471127	
3.6	20	1710.529134		1754.471208	
4.35	20	1710.529197		1754.471280	

LTE Band 5:

QPSK, Channel Bandwidth:10MHz Middle Channel, f_c = 836.5 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Limit (ppm)**
℃	**V_{DC}**	**Hz**	**ppm**	
-30	3.8	-4.85	-0.0058	2.5
-20		-7.40	-0.0088	
-10		-9.47	-0.0113	
0		7.78	0.0093	
10		8.21	0.0098	
20		5.52	0.0066	
30		-9.86	-0.0118	
40		5.01	0.006	
50		-8.69	-0.0104	
20	3.6	9.68	0.0116	
20	4.35	-6.46	-0.0077	

16QAM, Channel Bandwidth:10MHz Middle Channel, f_c =836.5 MHz				
Temperature	**Voltage**	**Frequency Error**	**Frequency Error**	**Limit (ppm)**
℃	**V_{DC}**	**Hz**	**ppm**	
-30	3.8	-6.45	-0.0077	2.5
-20		-7.23	-0.0086	
-10		5.40	0.0065	
0		7.04	0.0084	
10		-8.96	-0.0107	
20		9.42	0.0113	
30		6.00	0.0072	
40		9.53	0.0114	
50		-6.57	-0.0079	
20	3.6	9.77	0.0117	
20	4.35	-6.38	-0.0076	

LTE Band 7

QPSK, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	2500.528963	2500	2569.741154	2570
	-20	2500.529044		2569.741172	
	-10	2500.529017		2569.741226	
	0	2500.529098		2569.741226	
	10	2500.529107		2569.741226	
	20	2500.528900		2569.471100	
	30	2500.528972		2569.741181	
	40	2500.528945		2569.741190	
	50	2500.529017		2569.741190	
3.6	20	2500.529062		2569.741244	
4.35	20	2500.529053		2569.741298	

16QAM, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	2500.528891	2500	2569.741181	2570
	-20	2500.528972		2569.741190	
	-10	2500.528963		2569.741136	
	0	2500.528936		2569.741109	
	10	2500.528981		2569.741244	
	20	2500.528900		2569.741298	
	30	2500.528945		2569.741136	
	40	2500.528981		2569.741109	
	50	2500.528963		2569.741172	
3.6	20	2500.529008		2569.741208	
4.35	20	2500.529008		2569.741199	

LTE Band 12

QPSK, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	699.528963	699	715.471091	716
	-20	699.529008		715.471145	
	-10	699.529089		715.471217	
	0	699.529080		715.471253	
	10	699.529080		715.471298	
	20	699.528900		715.471100	
	30	699.528900		715.471172	
	40	699.528954		715.471154	
	50	699.528990		715.471136	
3.6	20	699.528972		715.471118	
4.35	20	699.528945		715.471154	

16QAM, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	699.528972	699	715.471091	716
	-20	699.528999		715.471118	
	-10	699.529053		715.471154	
	0	699.529089		715.471181	
	10	699.529107		715.471190	
	20	699.528900		715.471100	
	30	699.528918		715.471172	
	40	699.528927		715.471253	
	50	699.528936		715.471316	
3.6	20	699.528954		715.471352	
4.35	20	699.528972		715.471334	

LTE Band 17

QPSK, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	704.528954	704	715.471154	716
	-20	704.529035		715.471235	
	-10	704.529089		715.471280	
	0	704.529116		715.471253	
	10	704.529116		715.471307	
	20	704.528900		715.471100	
	30	704.528972		715.471127	
	40	704.529008		715.471100	
	50	704.528981		715.471091	
3.6	20	704.529044		715.471091	
4.35	20	704.529080		715.471118	

16QAM, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	704.528963	704	715.471145	716
	-20	704.529017		715.471208	
	-10	704.528999		715.471217	
	0	704.528972		715.471226	
	10	704.528999		715.471217	
	20	704.528900		715.471100	
	30	704.528918		715.471100	
	40	704.528990		715.471145	
	50	704.528972		715.471181	
3.6	20	704.529053		715.471244	
4.35	20	704.529116		715.471226	

LTE Band 66

QPSK, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	1710.528933	1710	1779.471118	1780
	-20	1710.528954		1779.471342	
	-10	1710.528931		1779.471512	
	0	1710.528924		1779.471432	
	10	1710.529043		1779.471233	
	20	1710.528940		1779.471442	
	30	1710.528943		1779.471323	
	40	1710.528433		1779.471421	
	50	1710.529544		1779.471332	
3.6	20	1710.529521		1779.471232	
4.35	20	1710.529453		1779.471233	

16QAM, Channel Bandwidth:10MHz					
Power Supplied	**Temperature**	**F_L**	**Limit**	**F_H**	**Limit**
Vdc	**℃**	**MHz**	**MHz**	**MHz**	**MHz**
3.8	-30	1710.528323	1710	1779.471355	1780
	-20	1710.529422		1779.471345	
	-10	1710.529423		1779.471234	
	0	1710.529544		1779.471466	
	10	1710.529323		1779.471384	
	20	1710.528334		1779.471368	
	30	1710.528553		1779.471278	
	40	1710.528346		1779.471175	
	50	1710.529532		1779.471274	
3.6	20	1710.529532		1779.471288	
4.35	20	1710.529133		1779.471264	

Note: The fundamental emissions stay within the authorized bands of operation based on the frequency deviation measured is small, the extreme voltage was declared by applicant.

******* END OF REPORT *******